

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

11/18/2011

Justyna Miller
Assistant District Attorney, Suffolk County

Dear ADA Miller,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples.

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree: Bachelors of Science in Forensic Chemistry,
May 2005 from Buffalo State College
GPA: 3.84, Dean's List, Honor's Recognition
American Chemical Society Undergraduate Award
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs



DRUG RECEIPT

CC #

BOOK #

PAGE #

DESTRUCTION #

District/Unit

Name & Rank of Arresting Officer

ID#

DEFENDANT'S NAME

ADDRESS

CITY

STATE

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITY

GROSS
WEIGHT

LAB USE ONLY

ANALYSIS
NUMBER

CLONAZINE

6 TABLETS

2.62g

SUBOXONE

1 TABLET

2.30g

CLONAZINE

141 TABLETS

18.65g

SUBOXONE

44 TABLETS

19.09g

SUBOXONE

PIECES

2.33g

To be completed by ECU personnel only

Name and Rank of Submitting Officer

ID#

Received by

Date

ECU Control #

No. [redacted] Date Analyzed: 05-11-11

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [redacted]

Amount: 6.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 03/02/2011

No. Analyzed:

Gross Wt.: 2.62

Net Weight:

Tests: 1A+L ASD

Prelim: E

Findings: clonidine

No. [redacted]

Date Analyzed: 5-9-11

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [redacted]

Amount: 1.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 03/02/2011

No. Analyzed:

Gross Wt.: 2.30

Net Weight: 0.38

Tests: 1 ASD
2DJR

Prelim: Buprenorphine B

Findings: Buprenorphine

No. [redacted]

Date Analyzed: 05-4-11

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [redacted]

Amount: 141.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 03/02/2011

No. Analyzed:

Gross Wt.: 18.65

Net Weight:

Tests: 1A+L ASD

Prelim: E

Findings: clonidine

No. [redacted]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [redacted]
Amount: 44.0
No. Cont: 1 Cont: pb
Date Rec'd: 03/02/2011
Gross Wt.: 19.09

Date Analyzed:

5-9-11

Subst: TAB

No. Analyzed:

Net Weight: 17.18

Tests: 1A+L ASD
2DJR

No. [redacted]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [redacted]
Amount: [redacted]
No. Cont: 1 Cont: pb
Date Rec'd: 03/02/2011
Gross Wt.: 2.33

Date Analyzed:

5-9-11

Subst: SXR

No. Analyzed:

Net Weight: 0.88

Tests: 1A+L ASD
2DJR

Broken tabs

Prelim: Buprenorphine B

Findings:

Buprenorphine

Prelim: Buprenorphine B

Findings:

Buprenorphine

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY Boston

ANALYST

ASJ

No. of samples tested: _____

Evidence Wt. _____

PHYSICAL DESCRIPTION:

6 white round tablet
in pb



Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt: _____

Net Wt: 0.6914

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate () _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA () _____

OTHER TESTS

Microscopic A 10

PRELIMINARY TEST RESULTS

RESULTS clonidine

DATE 05-11-11

GC/MS CONFIRMATORY TEST

RESULTS _____

MS
OPERATOR _____

DATE _____

Information

CLONIDINE HYDROCHLORIDE

CLONIDINE HYDROCHLORIDE -- 0.2 MG

NDC: 51079-0300-19

51079-0300-66

51079-0300-17

51079-0300-20

00378-0186-01

00378-0186-10

51079-0300-63

51079-0300-01

51079-0300-56

51079-0301-62

LAN 186

Tablet

Container-Size: Strip of
30 , Strip of 1 , Strip of
of 100 , Bottle of
age of 30 , Strip of
if 90

de: 201081 - Clonidine

Excipients: Ammonium
Chloride ; Silicon Dioxide,
Colloidal ; Croscarmellose Sodium (Type
A) ; Magnesium Stearate ; Cellulose,
Microcrystalline ; Sodium Lauryl Sulfate

Regulatory Status: RX

Availability: United States

Product ID 5150141

Contact: Mylan Pharmaceuticals

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ASJ

No. of samples tested:

Evidence Wt.

PHYSICAL DESCRIPTION:

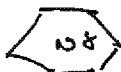
1 orange hexagonal tablet
in ipb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 0.3853



PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Monomer A (P)

PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 5-4-11

GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS
OPERATOR DJR

DATE 5-9-11

ABLET
PHINE -- 8 MG

NDC: 12496-1306-02

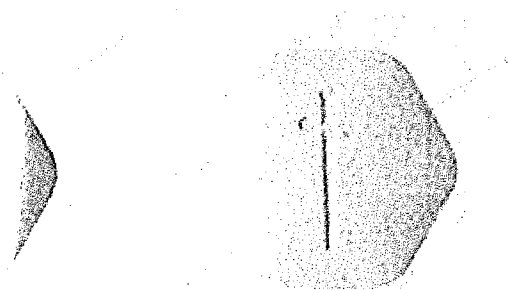
Regulatory Status: Schedule III

Availability: United States

Product ID 6370996

e: Bottle of 30

Contact: Reckitt Benckiser
Pharmaceuticals



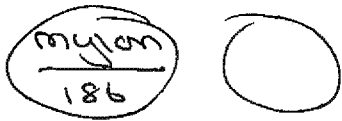
DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST ASD

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

141 white round tablet
in pb



Gross Wt ():
Gross Wt ():
Pkg. Wt:
Net Wt: 16.6912

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate ()
Marquis
Froehde's
Mecke's

Microcrystalline Tests

Gold Chloride
TLTA ()

OTHER TESTS

Muonex A 10

PRELIMINARY TEST RESULTS

RESULTS clonidine
DATE 3-4-11

GC/MS CONFIRMATORY TEST

RESULTS
MS OPERATOR
DATE

ation

DINE HYDROCHLORIDE

IDINE HYDROCHLORIDE -- 0.2 MG

NDC: 51079-0300-19

51079-0300-66

51079-0300-17

51079-0300-20

00378-0186-01

00378-0186-10

51079-0300-63

51079-0300-01

51079-0300-56

51079-0301-62

186

et

Inner-Size: Strip of
Strip of 1, Strip of
00, Bottle of
of 30, Strip of

201081 - Clonidine

Excipients: Ammonium
Chloride ; Silicon Dioxide,
Colloidal ; Croscarmellose Sodium (Type
A) ; Magnesium Stearate ; Cellulose,
Microcrystalline ; Sodium Lauryl Sulfate

Regulatory Status: RX

Availability: United States

Product ID 5150141

Contact: Mylan Pharmaceuticals

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

44 orange hexagonal tablet
N-PB

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 17.1820



PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Monomer A13

PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 3-4-11

GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS
OPERATOR DJR

DATE 3-9-11

Drug Information

DRUG NAME: SUBOXONE TABLET

INGREDIENTS: BUPRENORPHINE -- 8 MG
NALOXONE -- 2 MG

Color: orange

Shape: Six-sided

Imprint: N8 Sword Logo

Form: Sublingual Tablet

Available-Container-Size: Bottle of 30

AAPCC Code: 200625 -
Buprenorphine

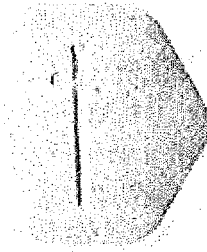
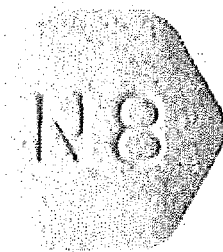
NDC: 12496-1306-02

Regulatory Status: Schedule III

Availability: United States

Product ID 6370996

Contact: Reckitt Benckiser
Pharmaceuticals



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DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ASD

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

1 orange broken tablet
in 1 pb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 0.8897

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) -

Marquis purple

Froehde's purple

Mecke's -

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Dille -

EC +

PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 3-4-11

GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS
OPERATOR PSA

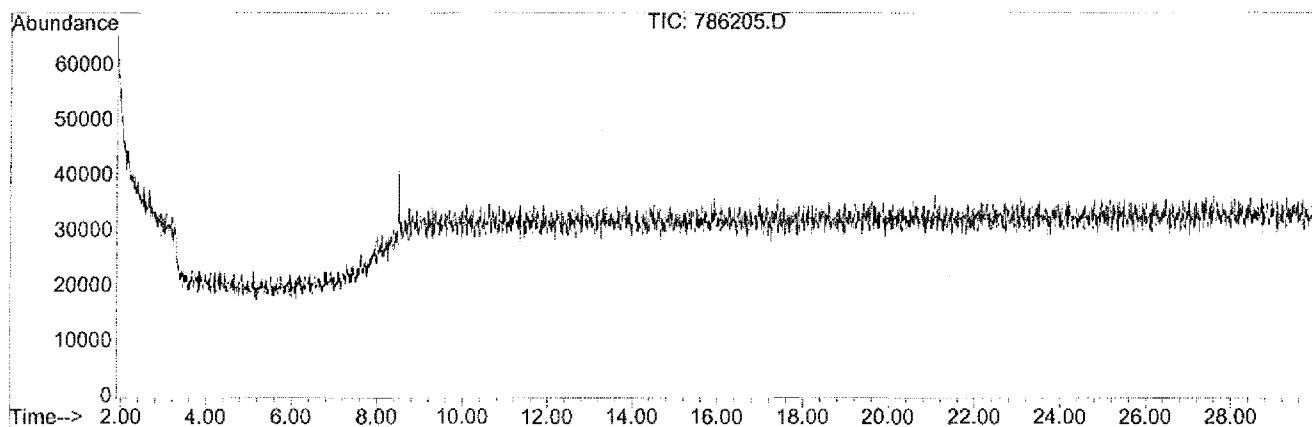
DATE 3-9-11

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786205.D
Operator : DJR
Date Acquired : 5 May 2011 10:52
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE

✓ DJR
11-15-11



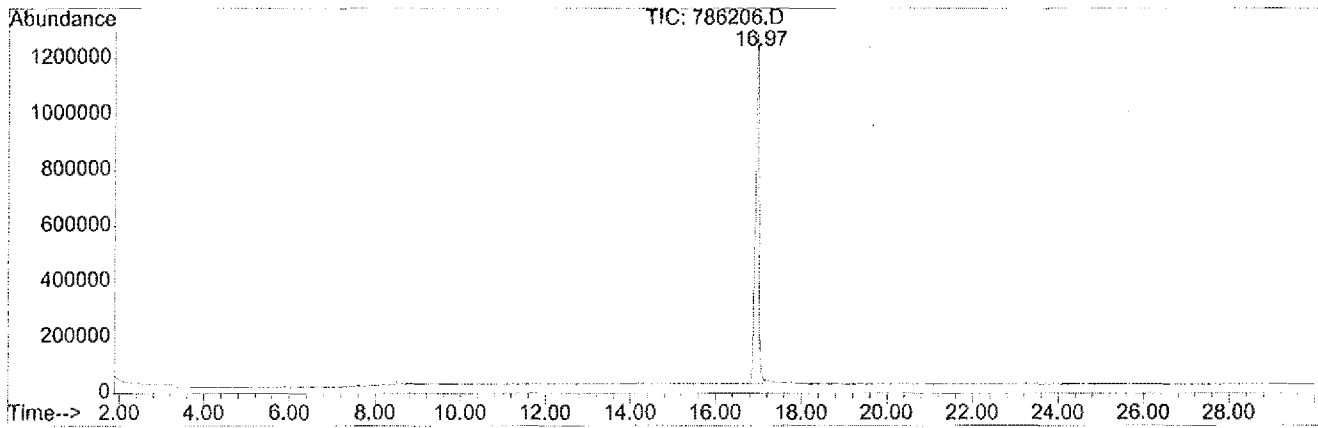
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786206.D
Operator : DJR
Date Acquired : 5 May 2011 11:25
Sample Name : BUPRENORPHINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: WSCREEN
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
16.969	7182287	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

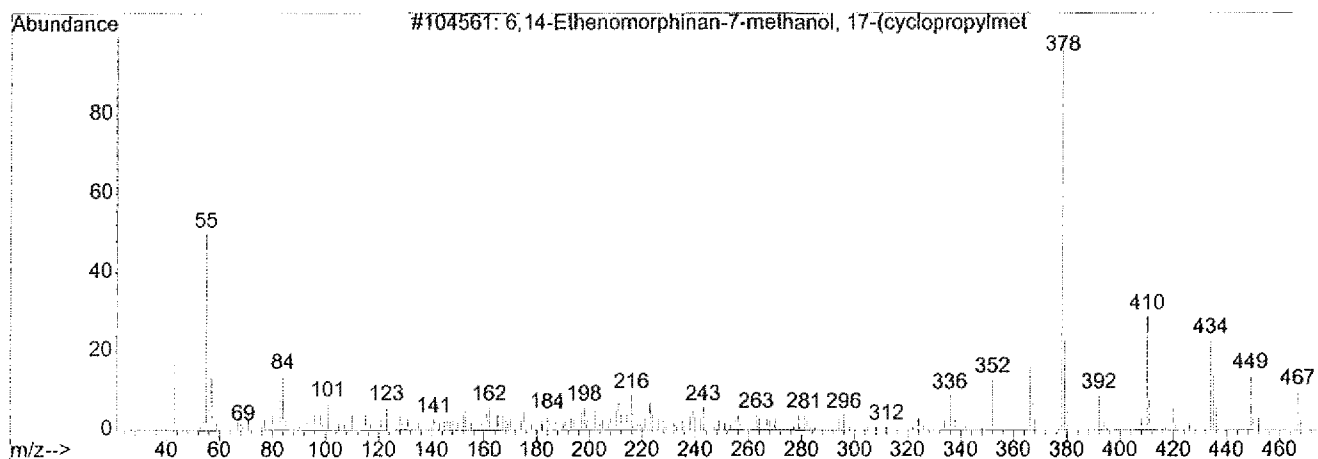
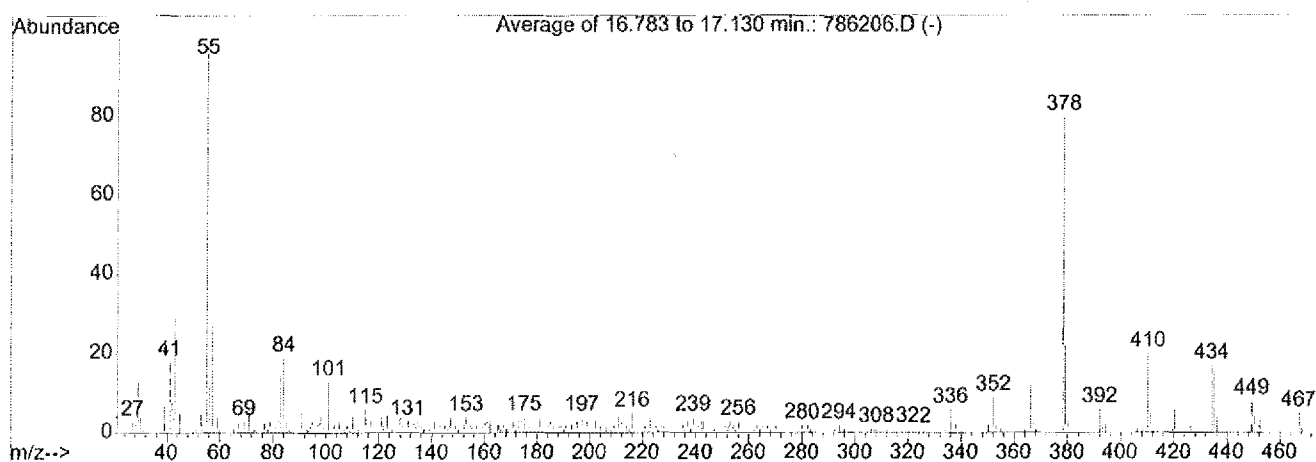
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File Name       : D:\SYSTEM4\05_05_11\786206.D
Operator        : DJR
Date Acquired   : 5 May 2011 11:25
Sample Name     : BUPRENORPHINE STD
Submitted by    :
Vial Number     : 6
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
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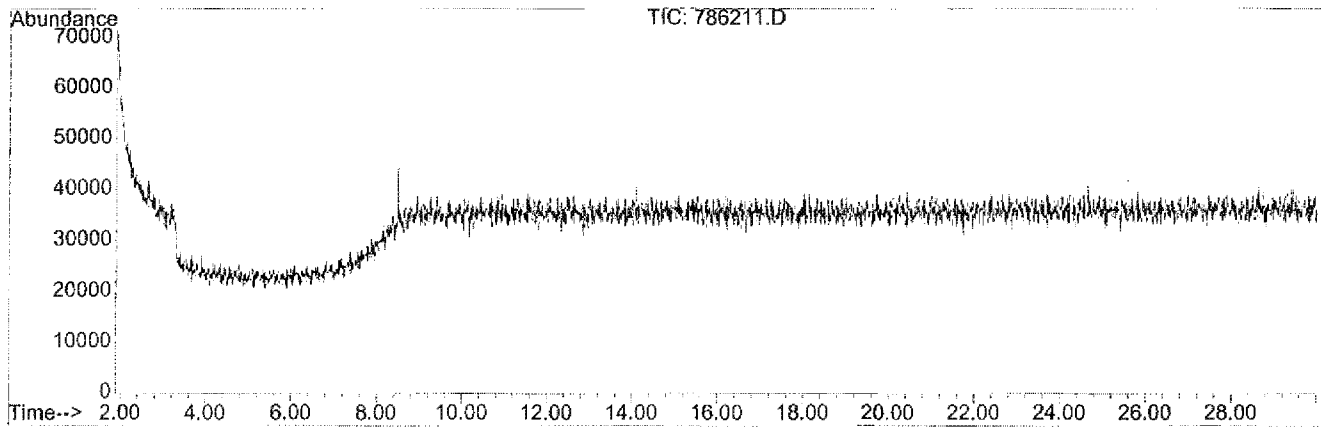
PK#	RT	Library/ID	CAS#	Qual
1	16.97	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	55
		10-Methoxycamptothecin	019685-10-0	55



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786211.D
Operator : DJR
Date Acquired : 5 May 2011 14:15
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



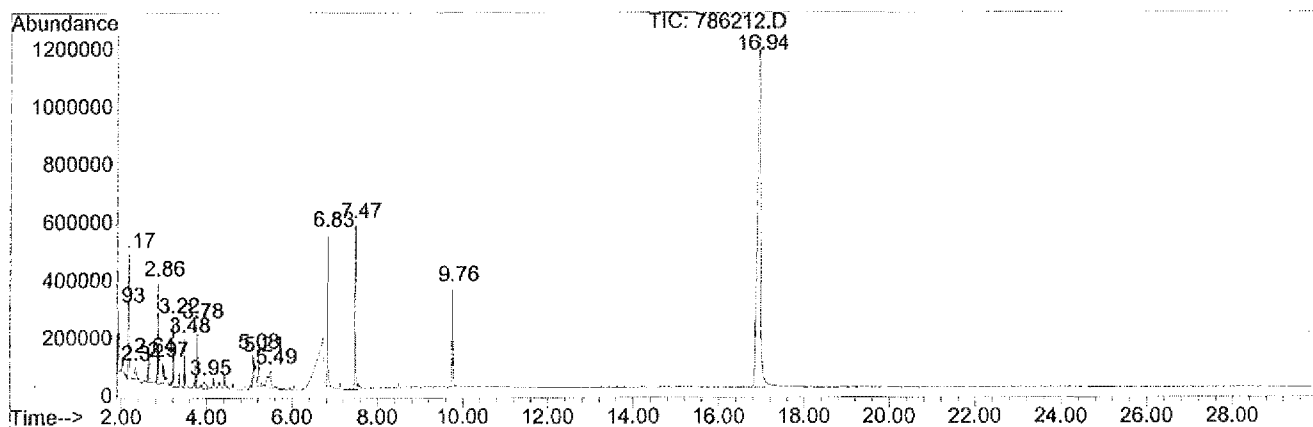
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786212.D
 Operator : DJR
 Date Acquired : 5 May 2011 14:49
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.933	404848	3.46	6.34
2.166	774135	6.62	12.12
2.339	130497	1.12	2.04
2.644	135254	1.16	2.12
2.860	477120	4.08	7.47
2.967	143172	1.22	2.24
3.219	340884	2.91	5.34
3.476	194330	1.66	3.04
3.781	262497	2.24	4.11
3.954	115781	0.99	1.81
5.079	191676	1.64	3.00
5.211	219425	1.88	3.43
5.492	146759	1.25	2.30
6.826	578923	4.95	9.06
7.472	642382	5.49	10.06
9.757	552303	4.72	8.65
16.942	6388606	54.61	100.00

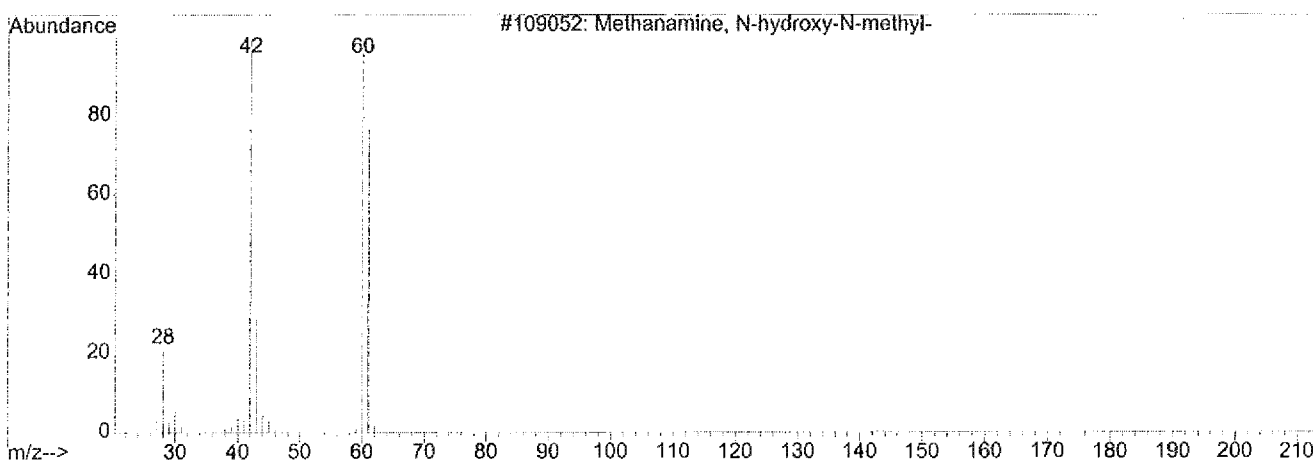
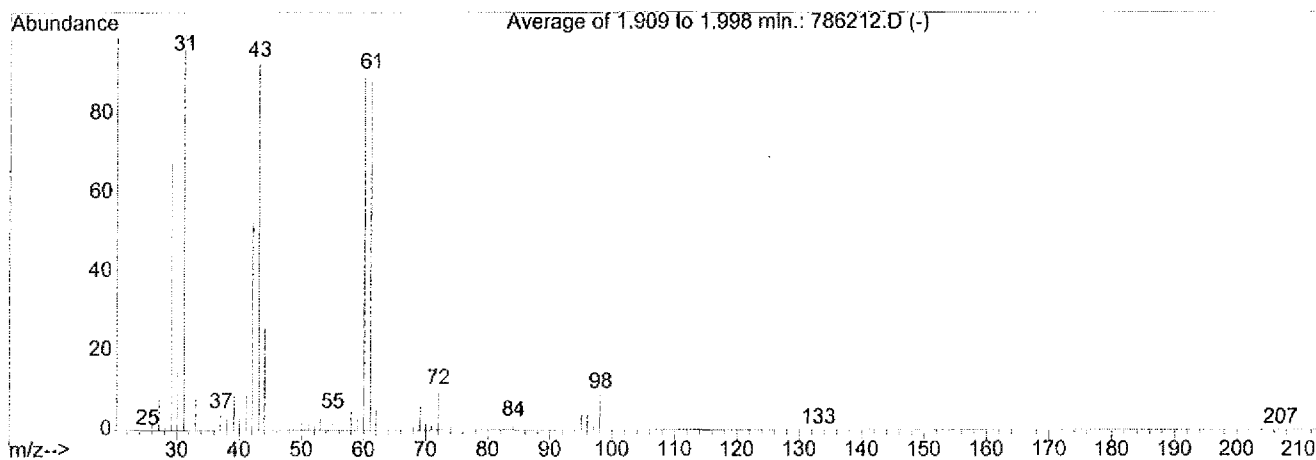
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786212.D
 Operator : DJR
 Date Acquired : 5 May 2011 14:49
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	1.93	C:\DATABASE\NIST98.L		
		Methanamine, N-hydroxy-N-methyl-	005725-96-2	38
		Methanamine, N-hydroxy-N-methyl-	005725-96-2	32
		1,2-Ethanediol, monoformate	000628-35-3	23



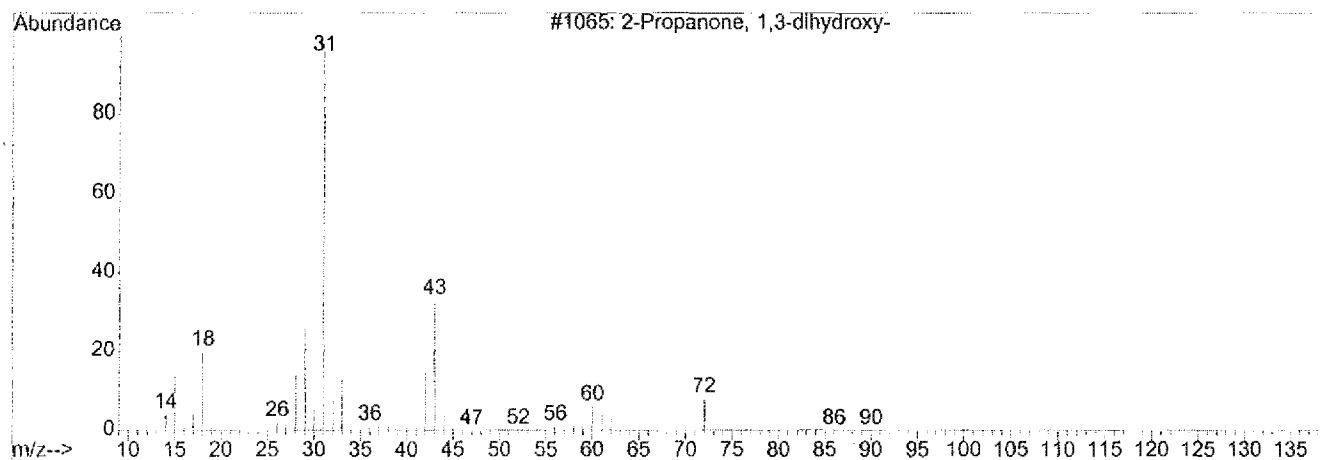
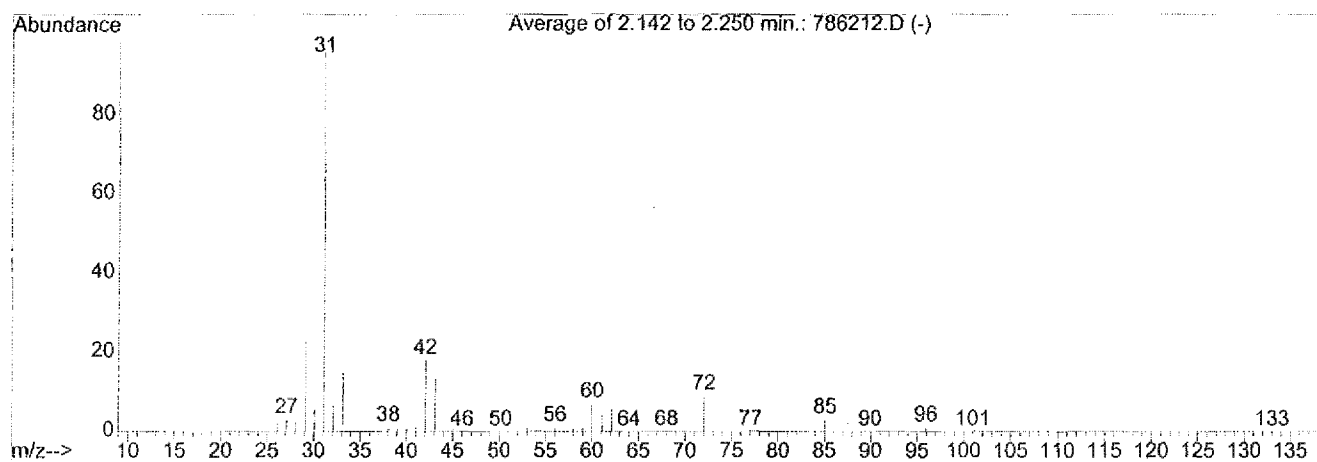
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786212.D
 Operator : DJR
 Date Acquired : 5 May 2011 14:49
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	2.17	C:\DATABASE\NIST98.L		
		2-Propanone, 1,3-dihydroxy-	000096-26-4	64
		Acetaldehyde, hydroxy-	000141-46-8	42
		Carbonic acid, dimethyl ester	000616-38-6	23



Area Percent / Library Search Report

Information from Data File:

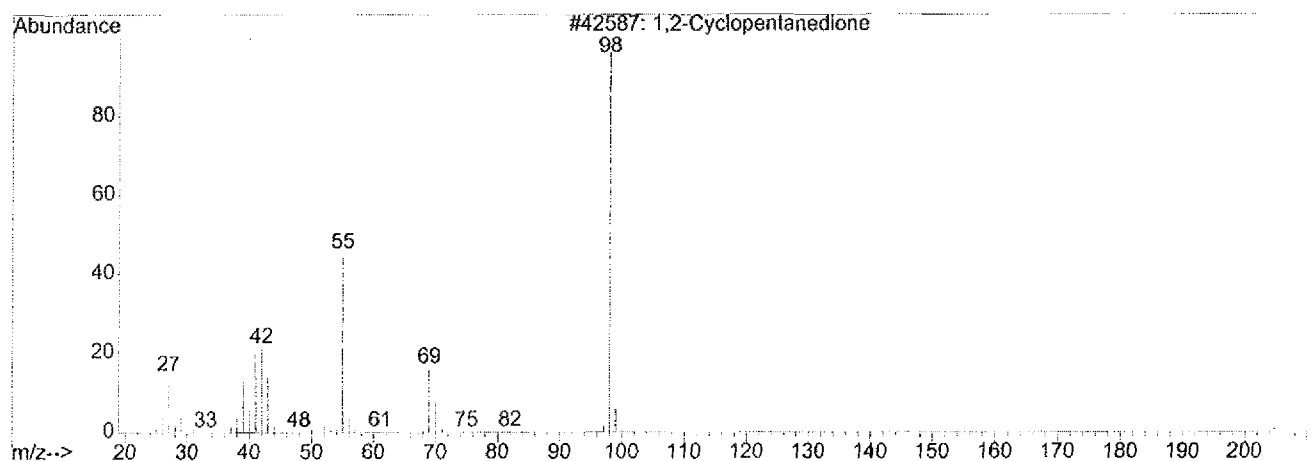
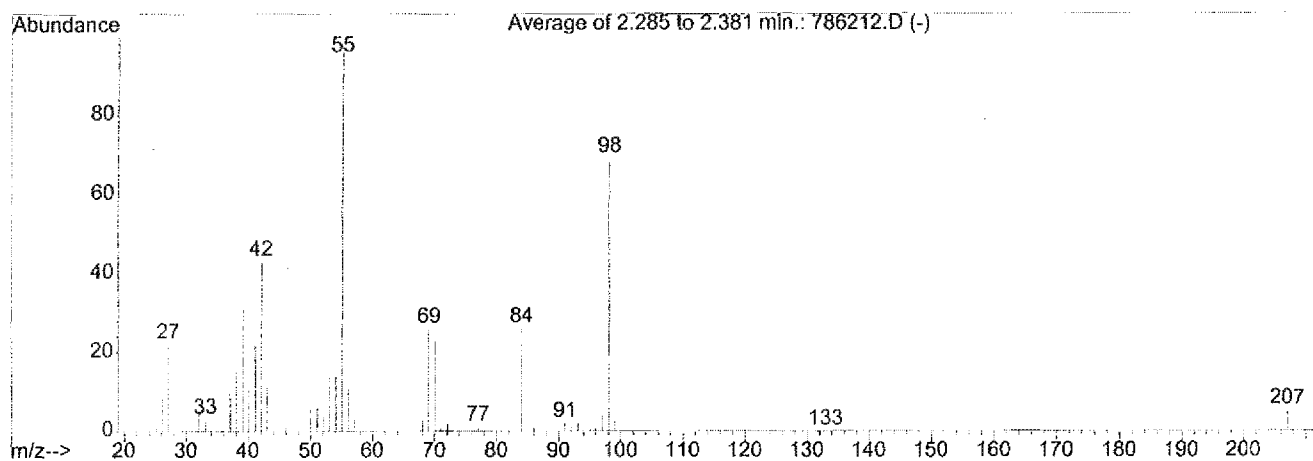
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File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : 
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	2.34	C:\DATABASE\NIST98.L		
		1,2-Cyclopentanedione	003008-40-0	52
		2(3H)-Furanone, 5-methyl-	000591-12-8	50
		Cyclohexanone	000108-94-1	47



Area Percent / Library Search Report

Information from Data File:

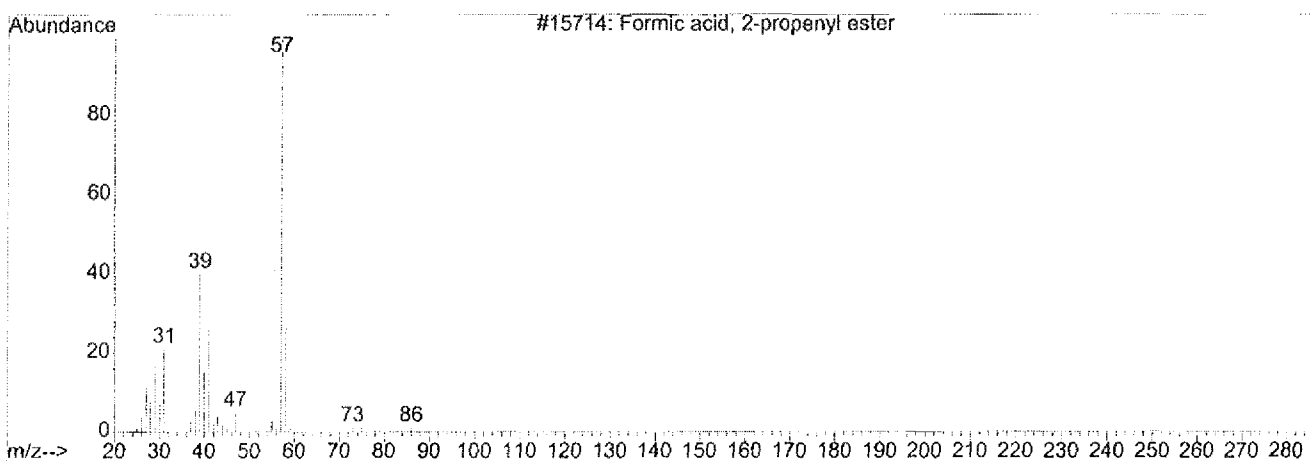
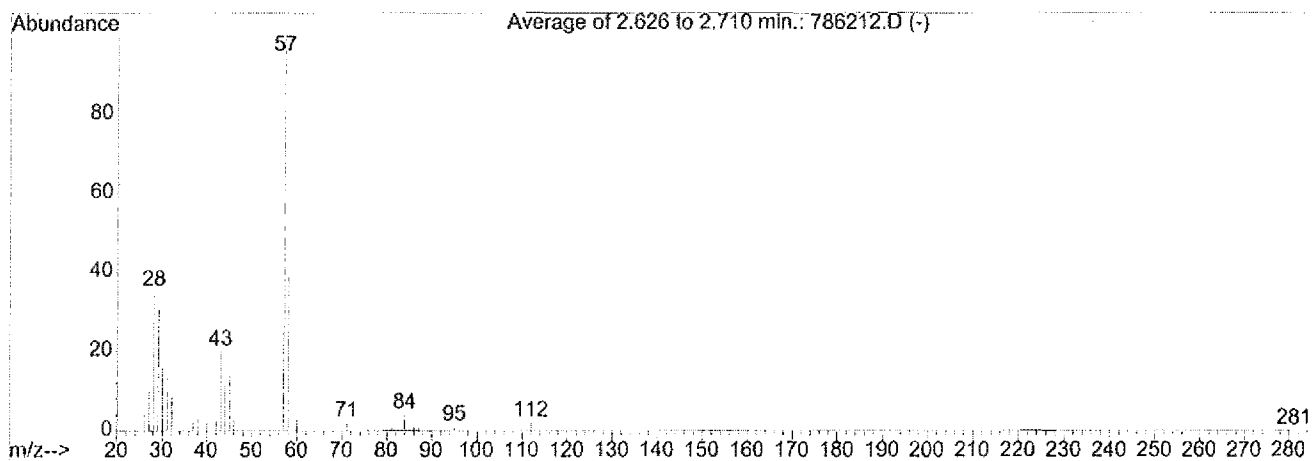
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File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : 
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
4	2.64	C:\DATABASE\NIST98.L		
		Formic acid, 2-propenyl ester	001838-59-1	12
		3-Furanol, tetrahydro-	000453-20-3	9
		Cyclobutanemethanol	004415-82-1	9



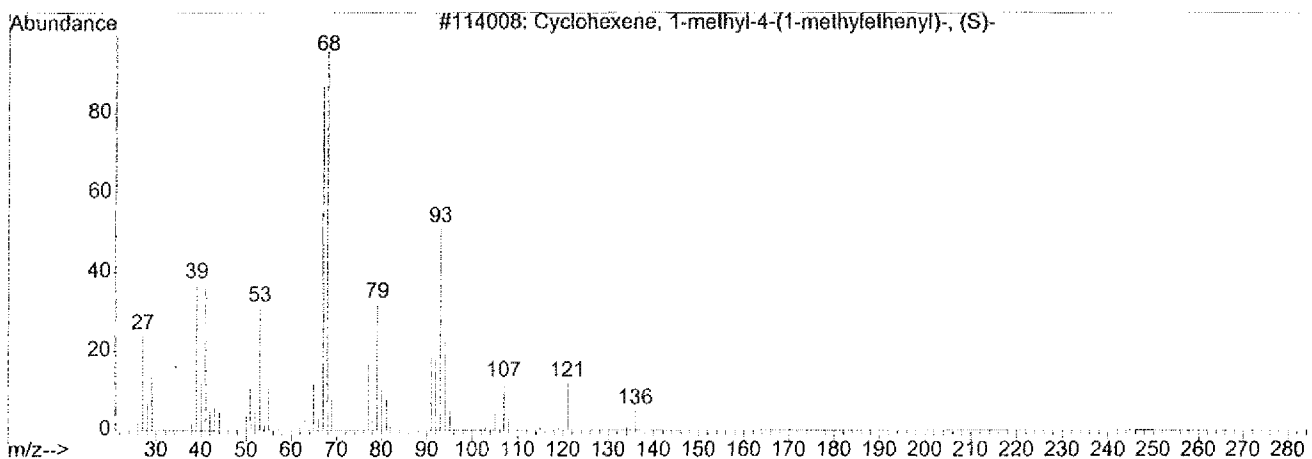
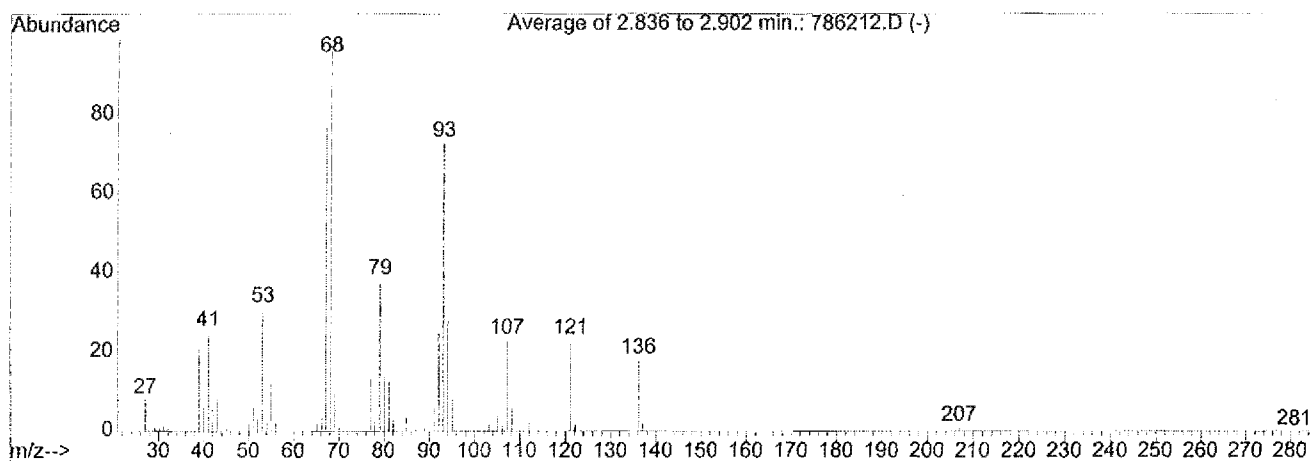
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786212.D
 Operator : DJR
 Date Acquired : 5 May 2011 14:49
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
5	2.86	C:\DATABASE\NIST98.L		
		Cyclohexene, 1-methyl-4-(1-methylet	005989-54-8	94
		Limonene	000138-86-3	94
		D-Limonene	005989-27-5	90



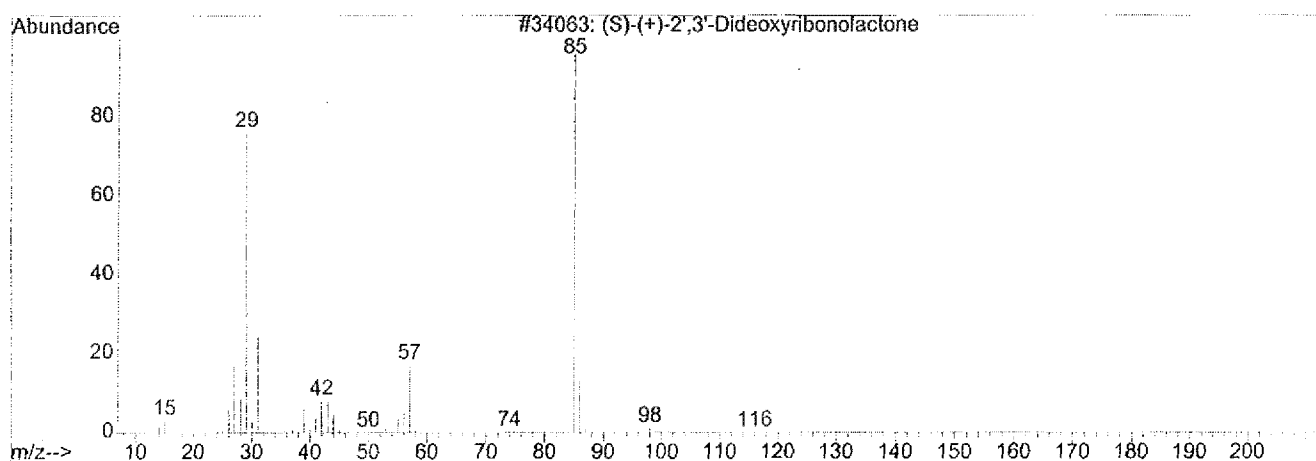
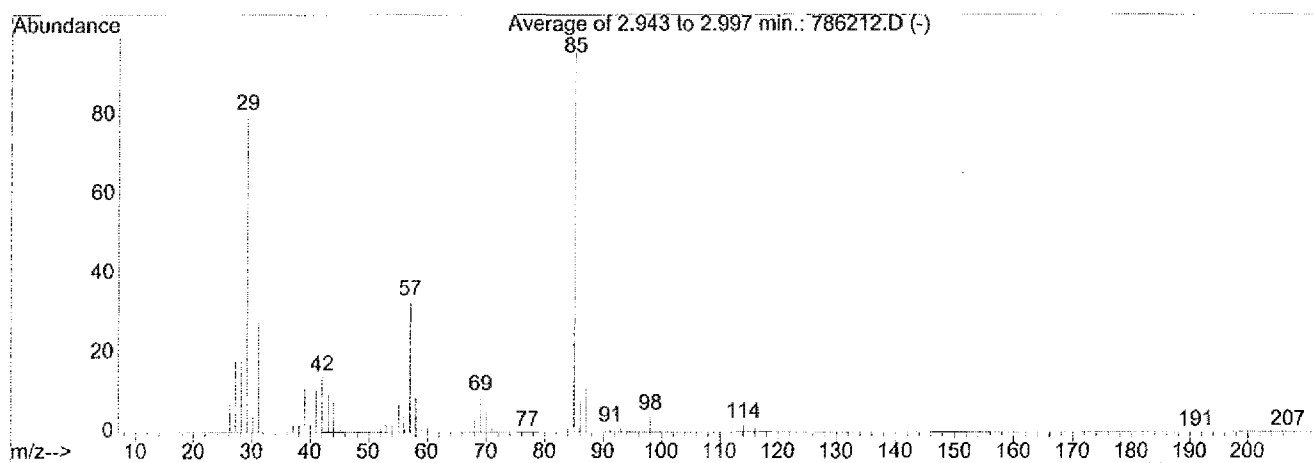
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786212.D
 Operator : DJR
 Date Acquired : 5 May 2011 14:49
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
6	2.97	C:\DATABASE\NIST98.L		
		(S)-(+)-2',3'-Dideoxyribonolactone	032780-06-6	78
		5-Oxotetrahydrofuran-2-carboxylic a	004344-84-7	64
		2(3H)-Furanone, 5-acetyldihydro-	029393-32-6	64



Area Percent / Library Search Report

Information from Data File:

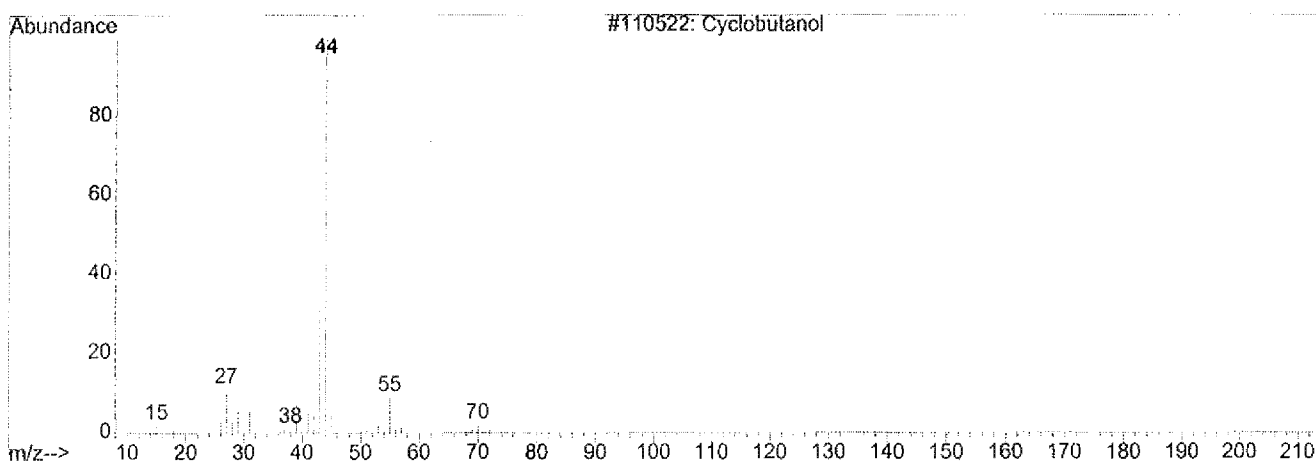
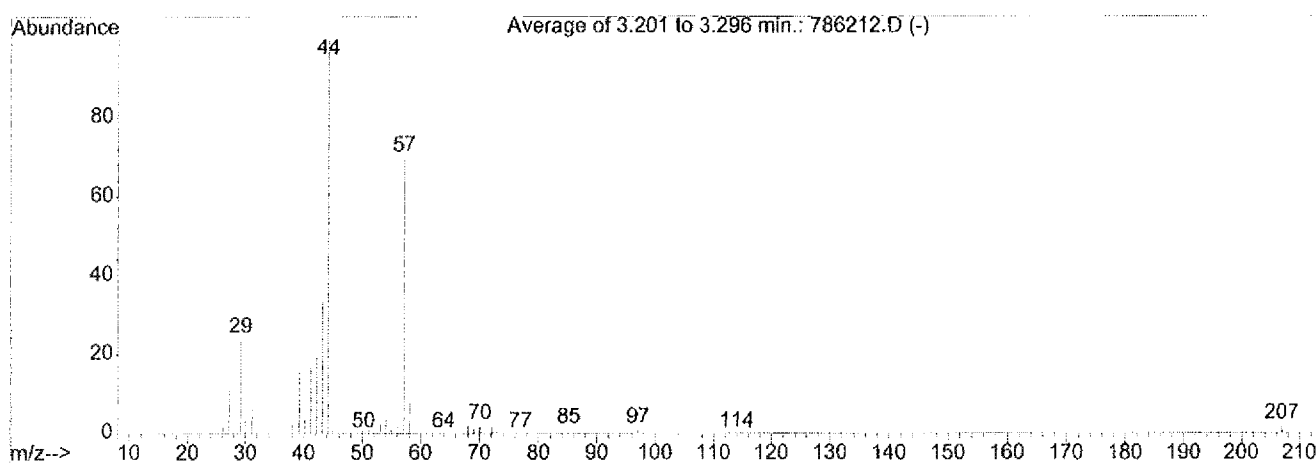
```

File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : 
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
7	3.22	C:\DATABASE\NIST98.L		
		Cyclobutanol	002919-23-5	53
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	40
		1-Propanol, 2-amino-	000078-91-1	39



Area Percent / Library Search Report

Information from Data File:

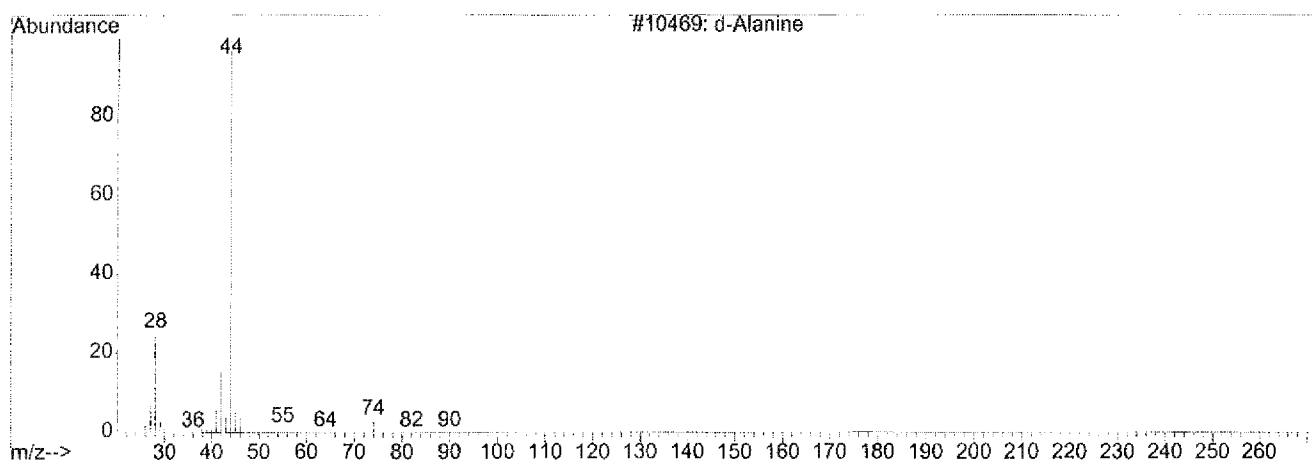
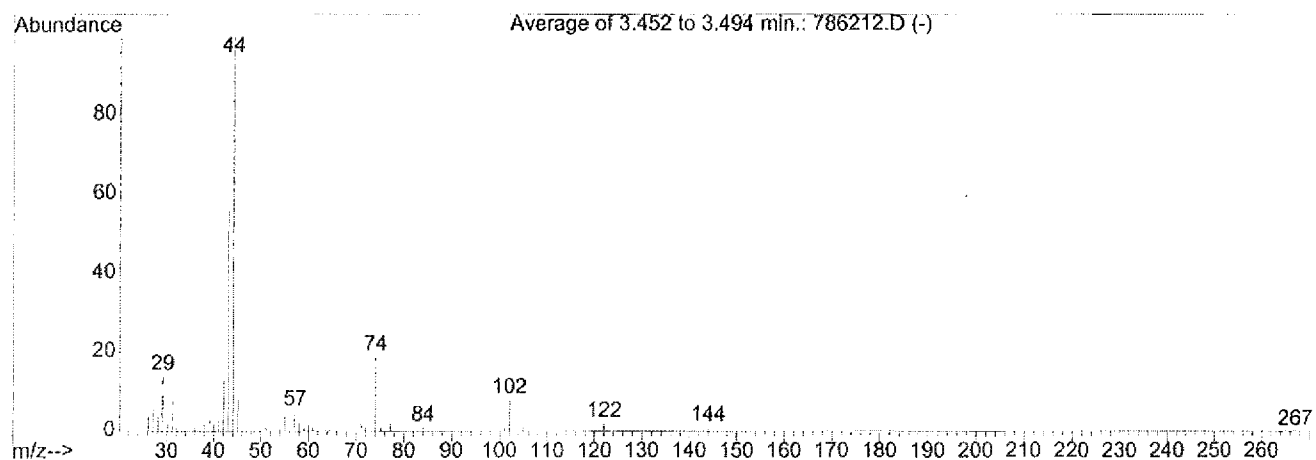
```

File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
8	3.48	C:\DATABASE\NIST98.L		
		d-Alanine	000338-69-2	56
		O-Methylisourea	1000130-40-4	43
		2-Methylaminomethyl-1,3-dioxolane	057366-77-5	39



Area Percent / Library Search Report

Information from Data File:

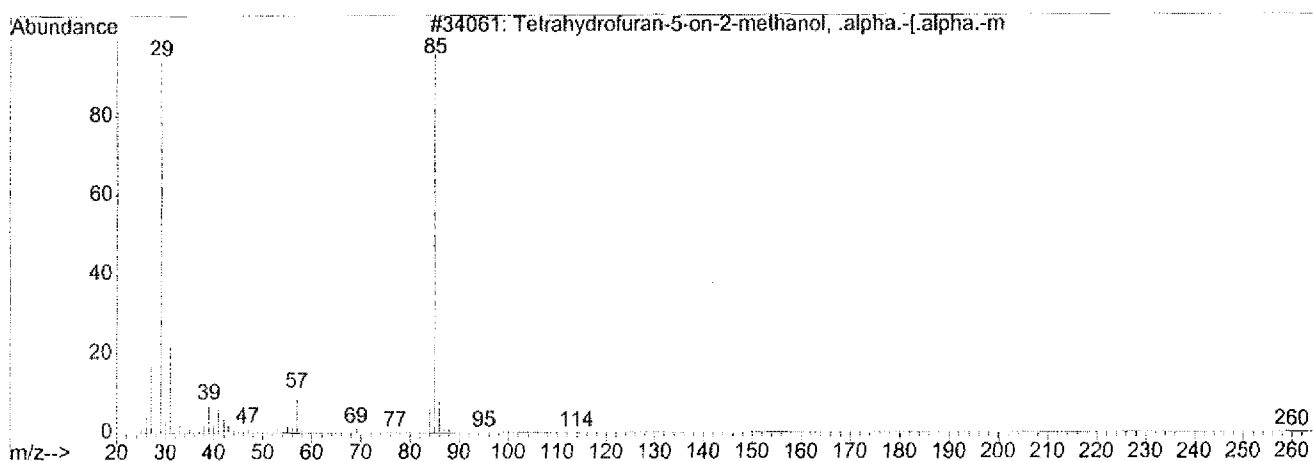
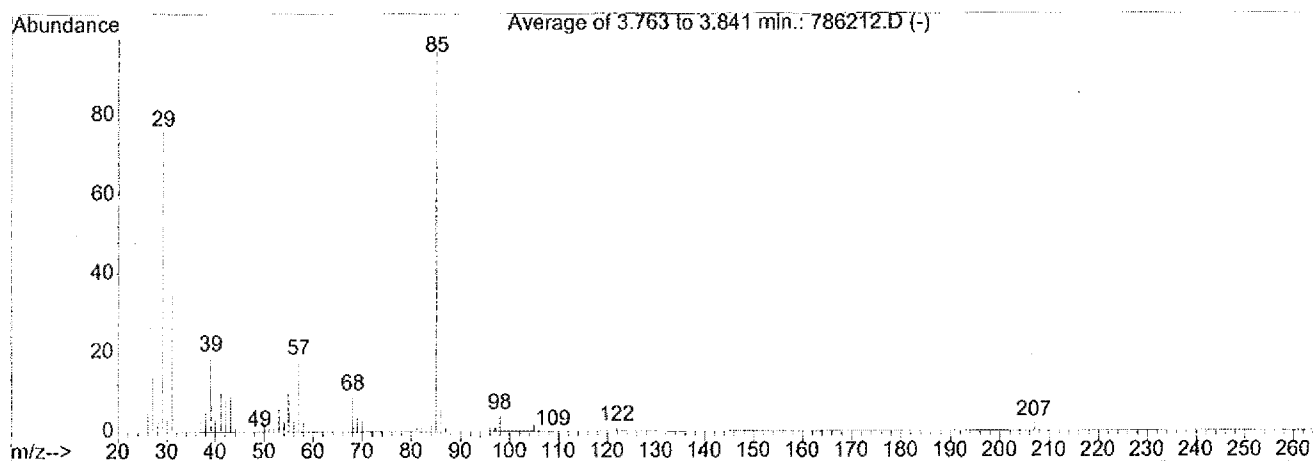
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File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
9	3.78	C:\DATABASE\NIST98.L		
		Tetrahydrofuran-5-on-2-methanol, .a	1000192-28-3	78
		4-Methoxycarbonyl-4-butanolide	003885-29-8	72
		Butanal, 3,3-dimethyl-2-oxo-, hemih	077572-68-0	56



Area Percent / Library Search Report

Information from Data File:

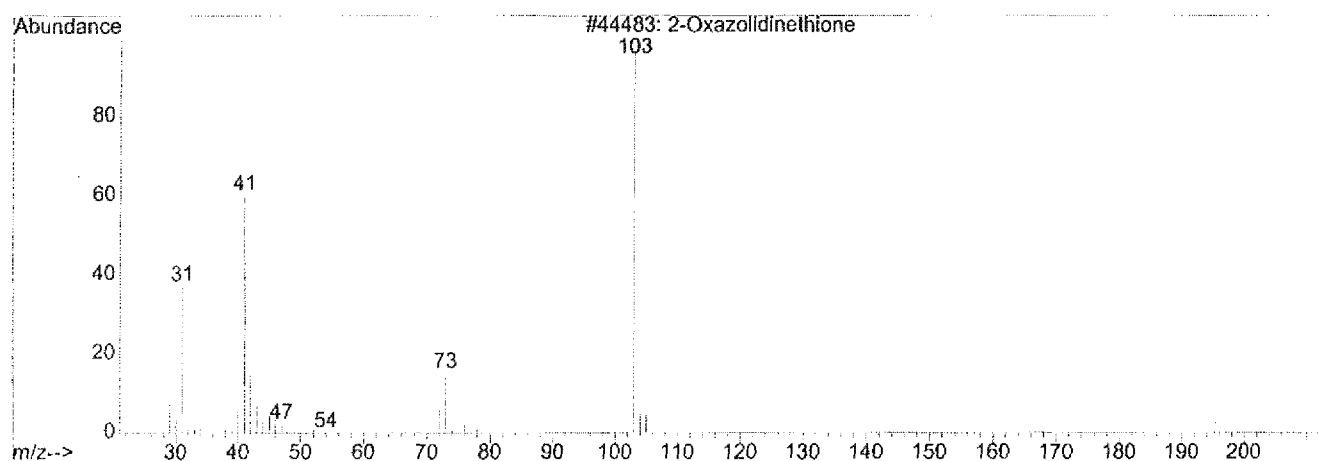
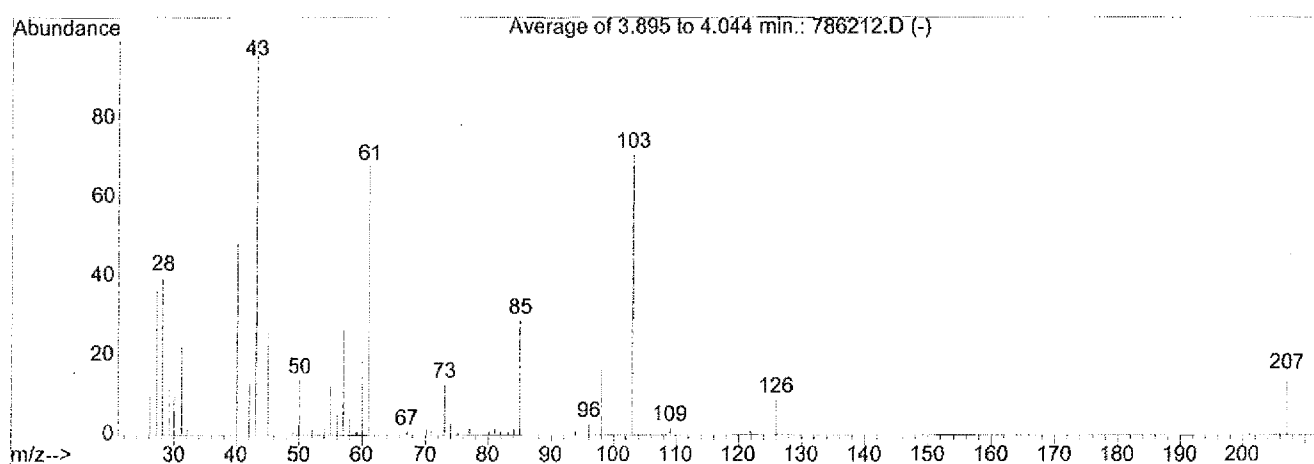
```

File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
10	3.95	C:\DATABASE\NIST98.L		
		2-Oxazolidinethione	005840-81-3	16
		1-Pentanol, 2-ethyl-	027522-11-8	9
		Pentanoic acid, 1-methylethyl ester	018362-97-5	9



Area Percent / Library Search Report

Information from Data File:

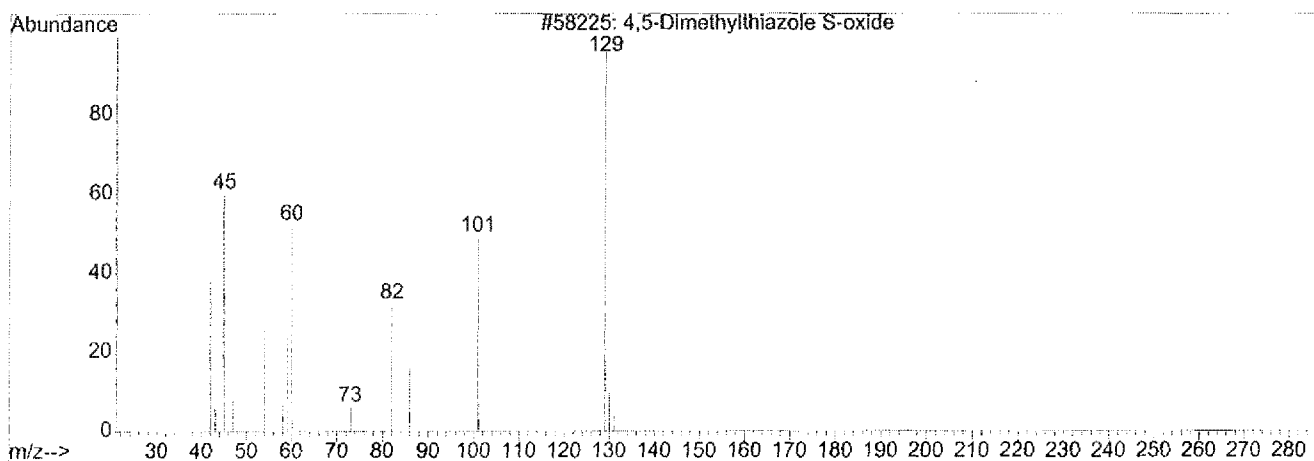
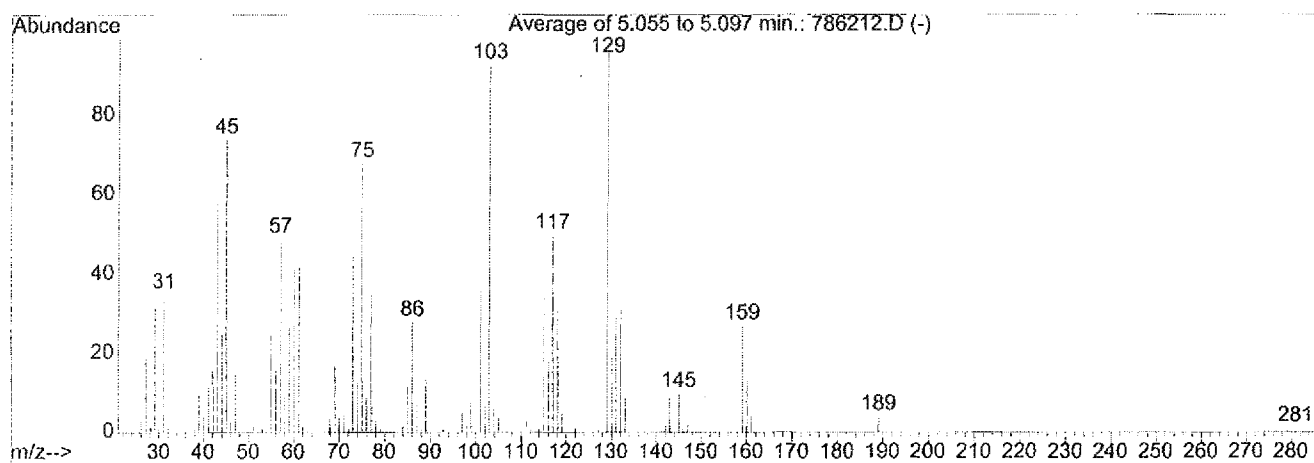
```

File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : 
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
11	5.08	C:\DATABASE\NIST98.L		
		4,5-Dimethylthiazole S-oxide	1000112-53-4	22
		3-Thio-1,2,4-triazin-3,5(2H,4H)-dio	1000213-20-1	14
		2-Hydroxyethyl vinyl sulfide	1000226-82-9	14



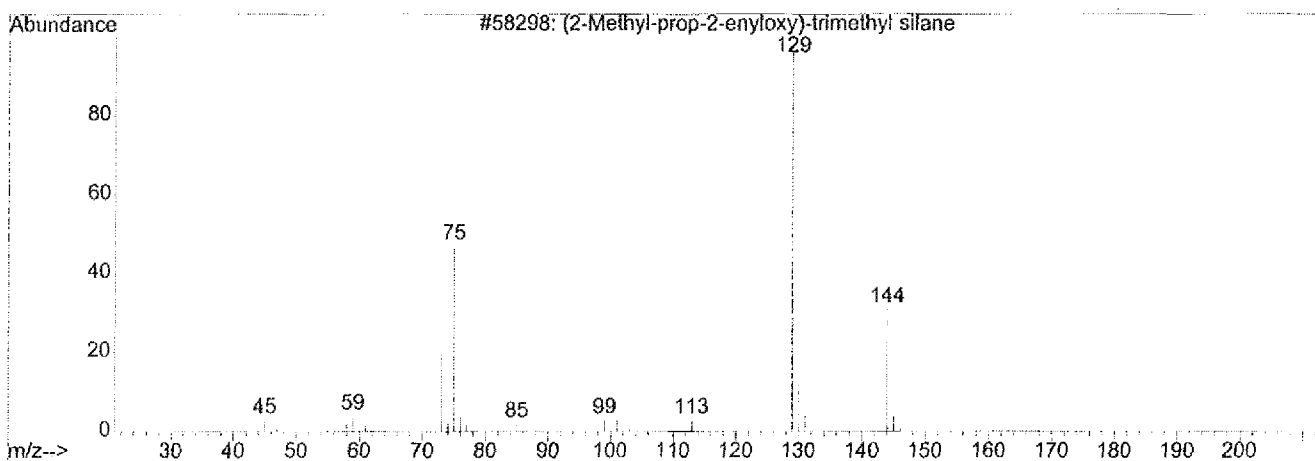
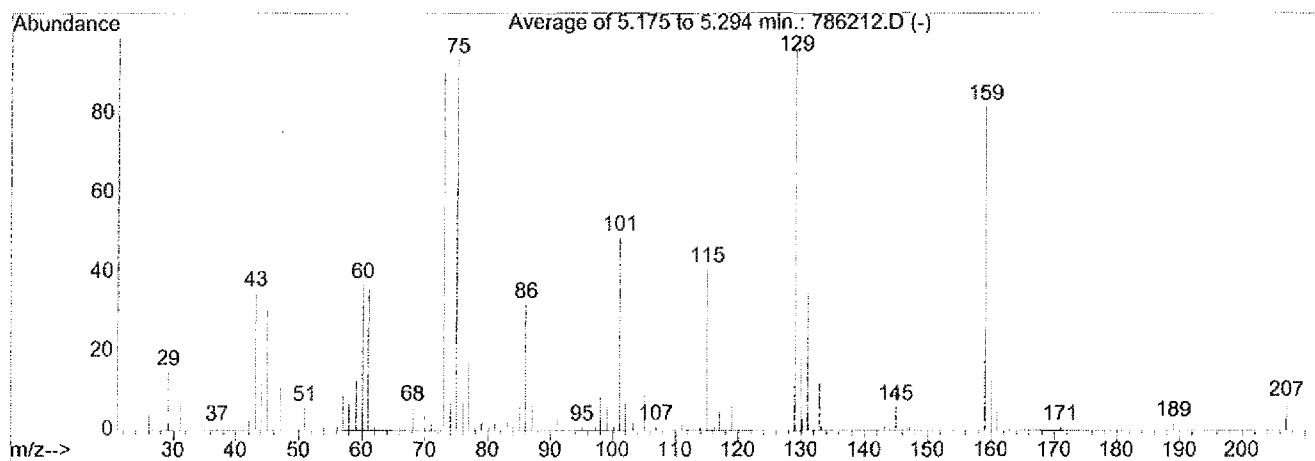
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786212.D
 Operator : DJR
 Date Acquired : 5 May 2011 14:49
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
12	5.21	C:\DATABASE\NIST98.L		
		(2-Methyl-prop-2-enyloxy)-trimethyl	1000146-04-0	35
		n-Pentanoic acid, allyldimethylsily	1000245-32-7	27
		(2-Methyl-but-3-enyl-2-oxy)-dimethy	1000144-35-9	27



Area Percent / Library Search Report

Information from Data File:

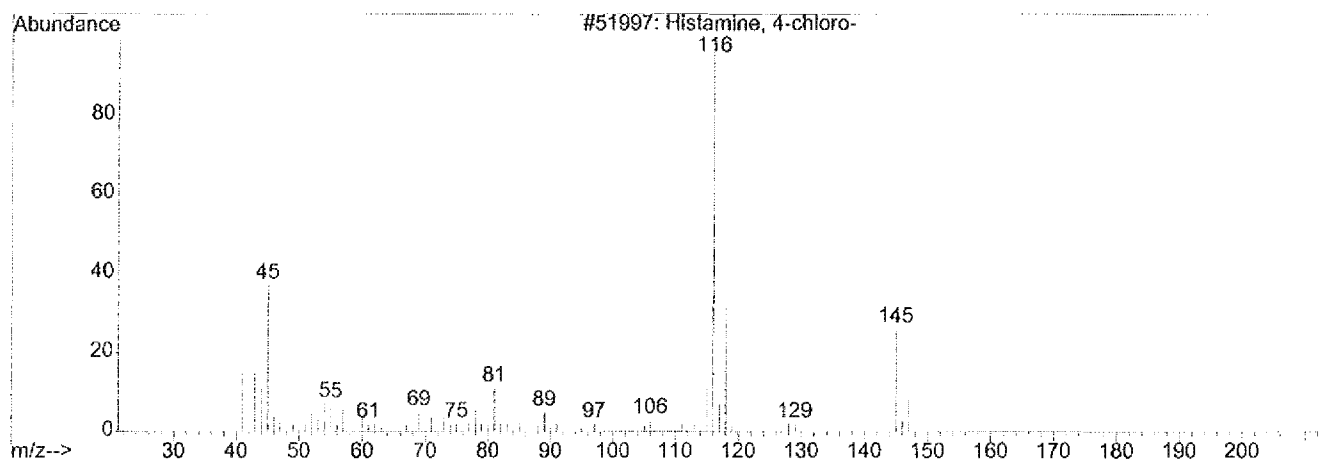
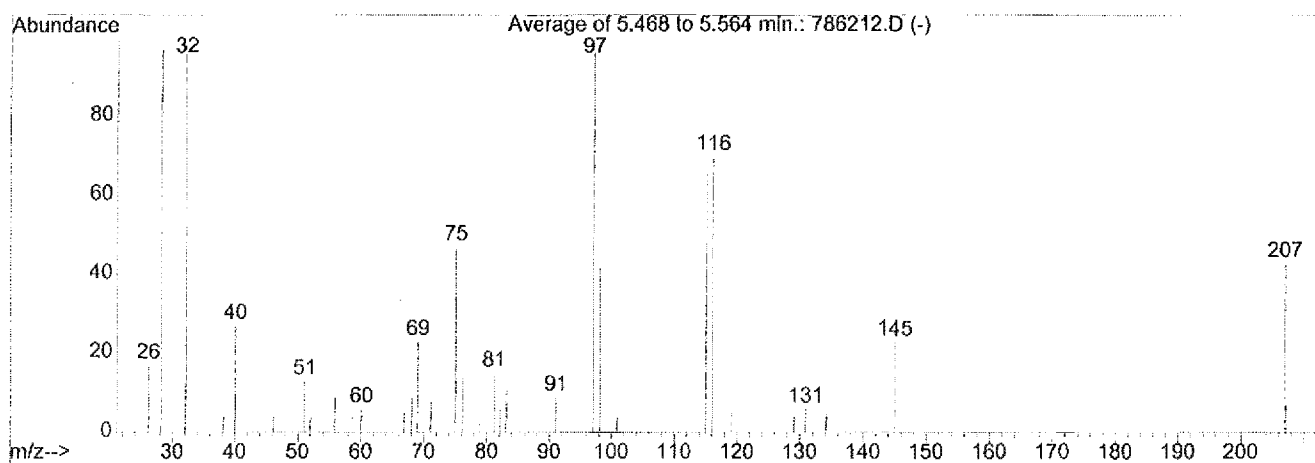
```

File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
13	5.49	C:\DATABASE\NIST98.L		
		Histamine, 4-chloro-	099221-76-8	10
		Pyridine, 2-fluoro-	000372-48-5	10
		3-Fluoropyridine	000372-47-4	9



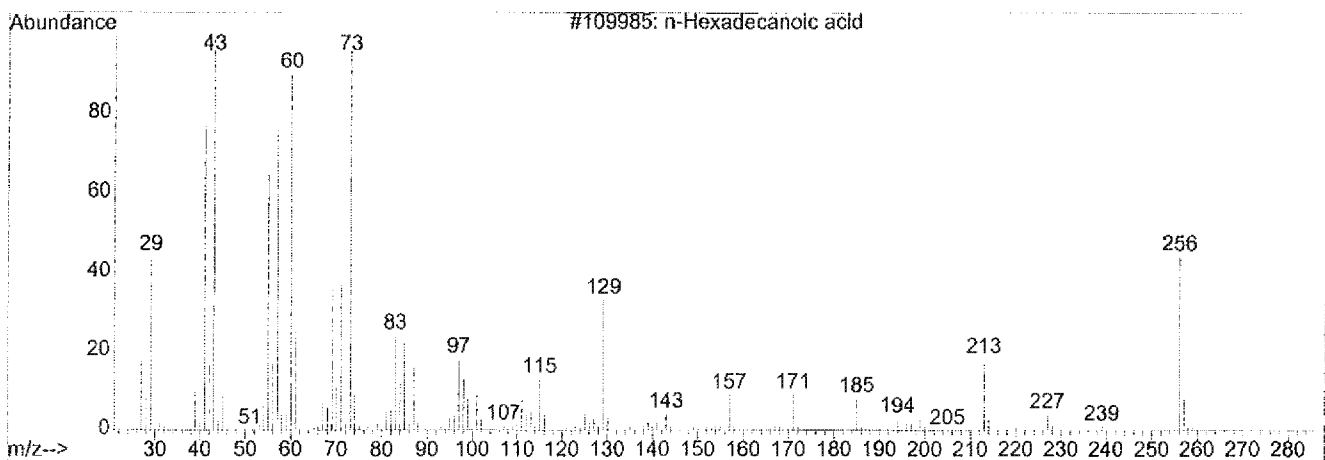
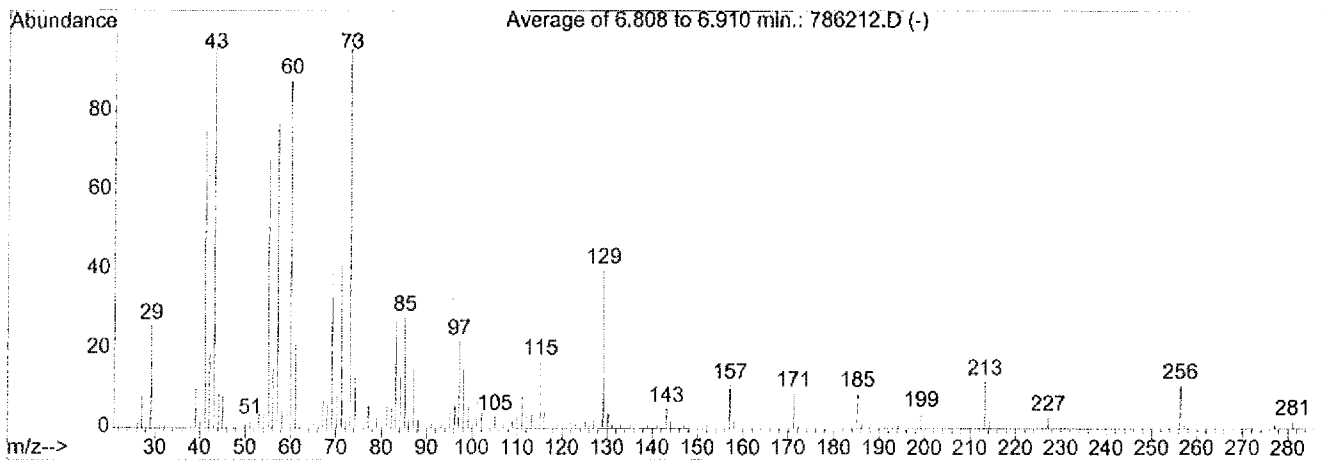
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786212.D
 Operator : DJR
 Date Acquired : 5 May 2011 14:49
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 12
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
14	6.83	C:\DATABASE\NIST98.L		
		n-Hexadecanoic acid	000057-10-3	99
		n-Hexadecanoic acid	000057-10-3	93
		n-Hexadecanoic acid	000057-10-3	93



Area Percent / Library Search Report

Information from Data File:

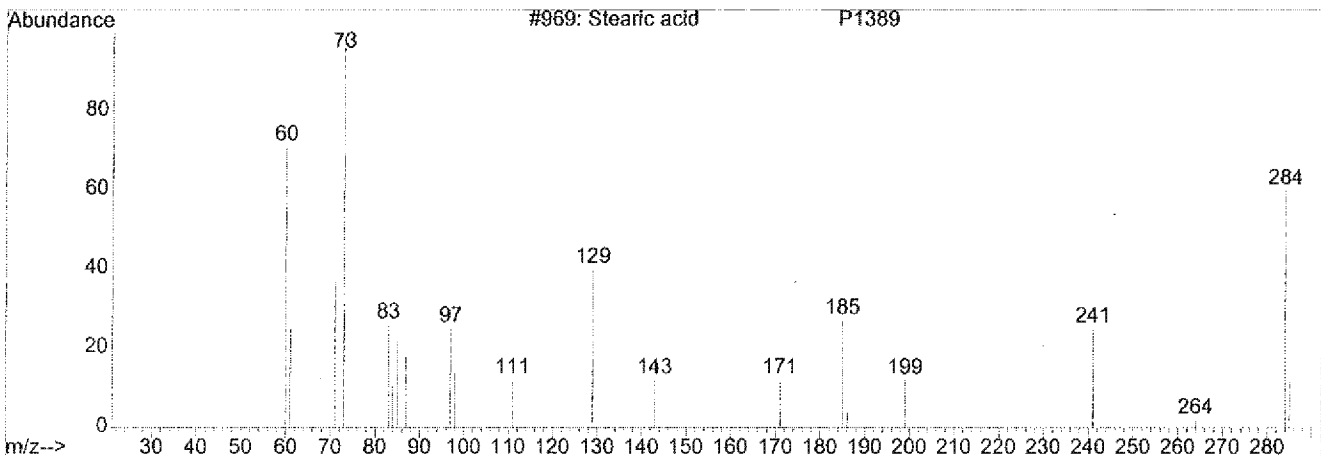
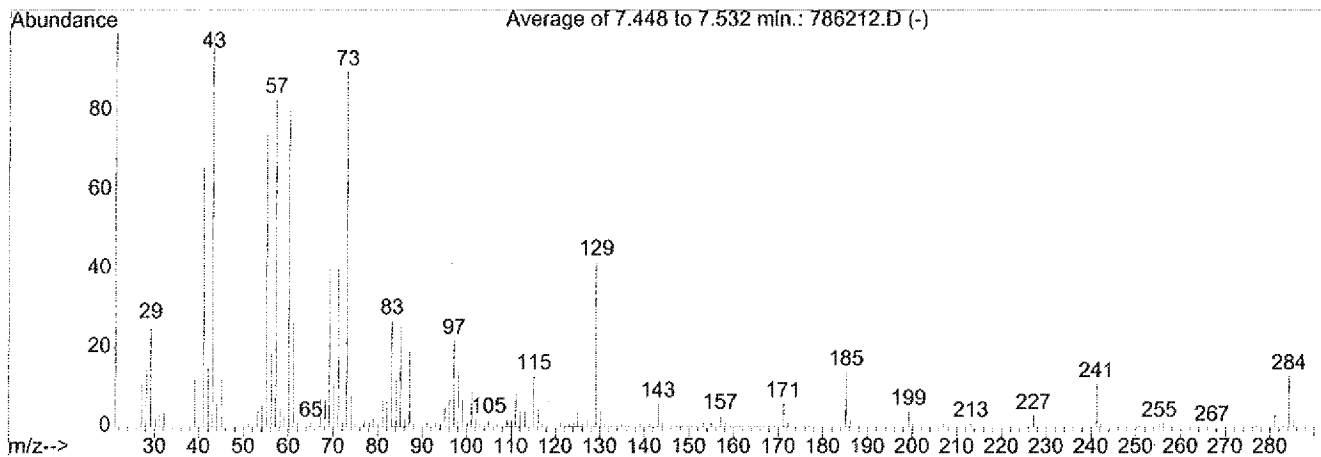
```

File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : 
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
15	7.47	C:\DATABASE\PMW_TOX2.L		
		Stearic acid	000057-11-4	91
		Myristic acid	000544-63-8	80
		Tridecane	000629-50-5	10



Area Percent / Library Search Report

Information from Data File:

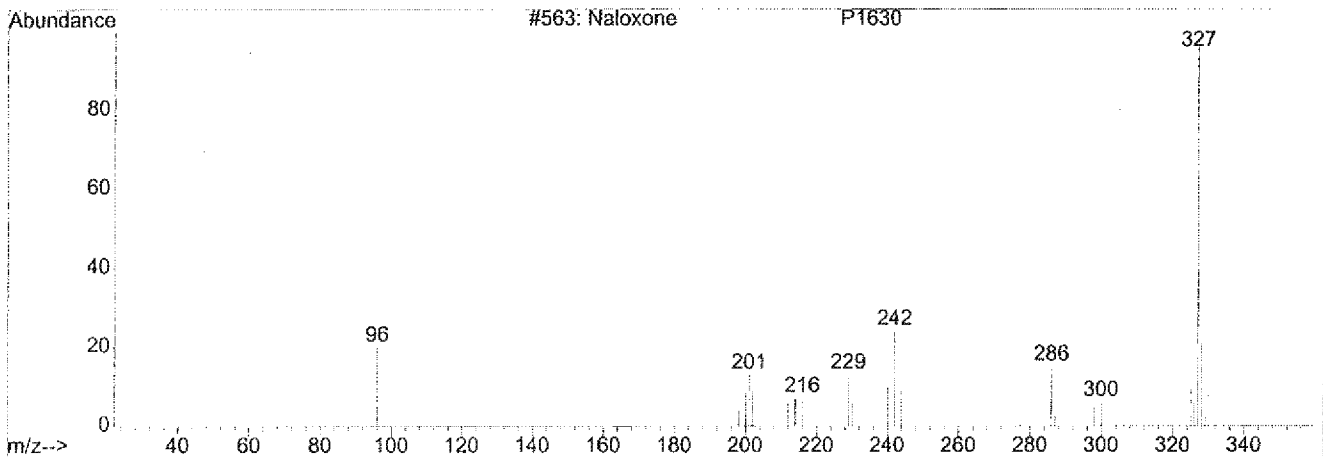
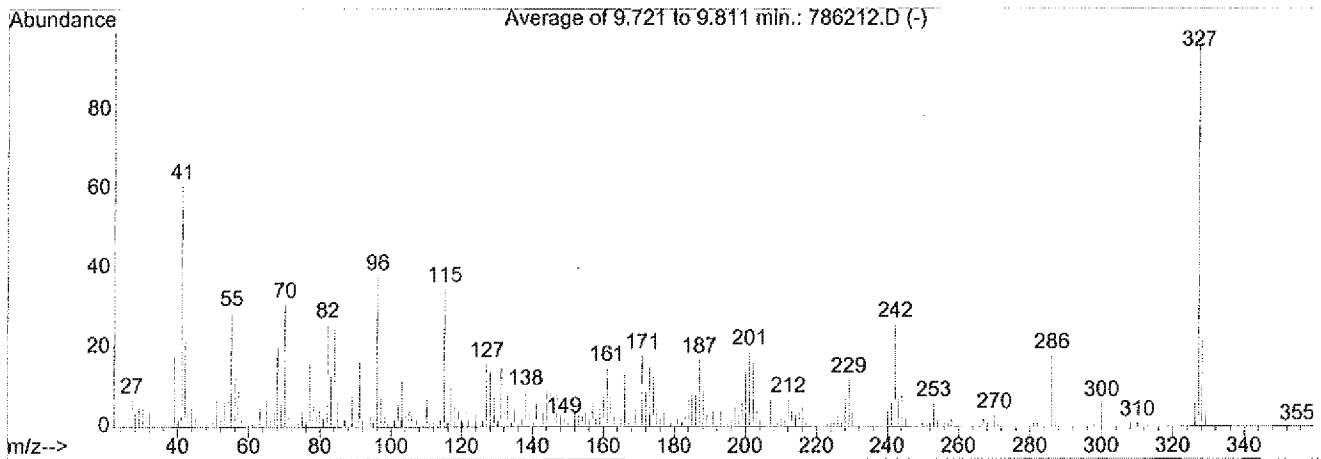
```

File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : 
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
16	9.76	C:\DATABASE\PMW_TOX2.L		
		Naloxone	000465-65-6	90
		Naloxone enol 3AC	000000-00-0	38
		Cannabidiol 2AC	000000-00-0	9



Area Percent / Library Search Report

Information from Data File:

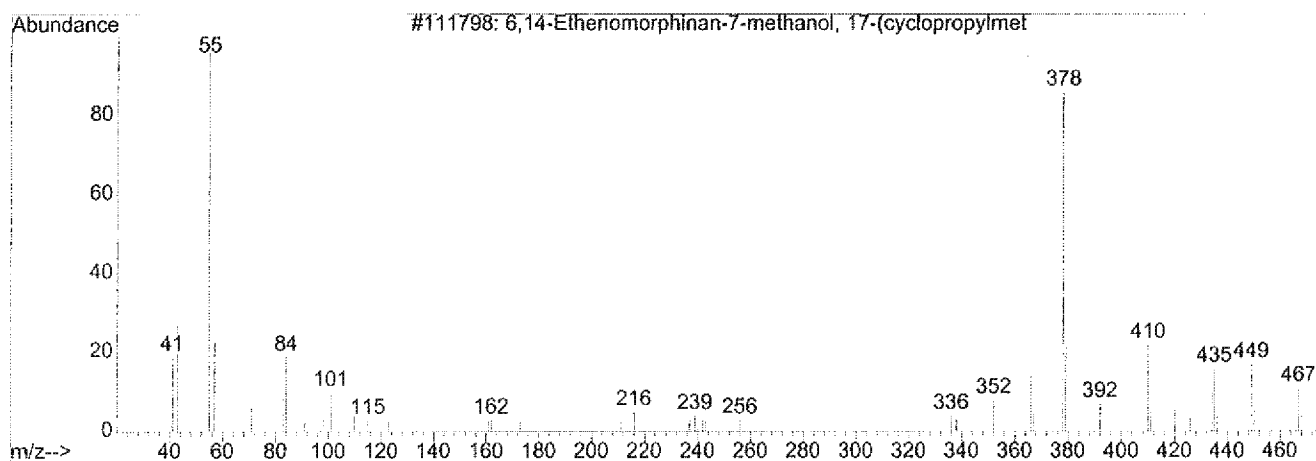
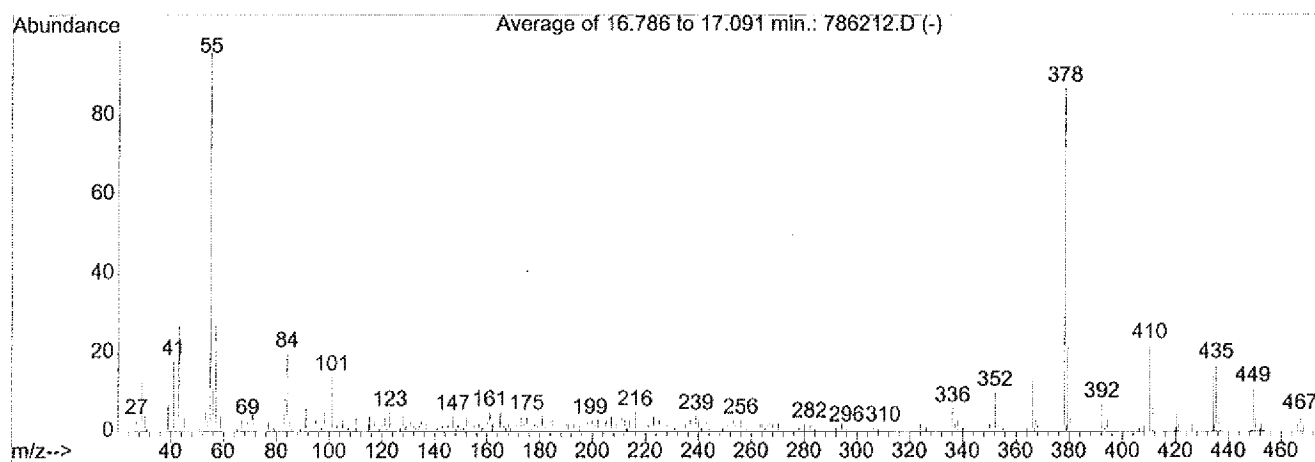
```

File Name       : D:\SYSTEM4\05_05_11\786212.D
Operator        : DJR
Date Acquired   : 5 May 2011 14:49
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 12
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

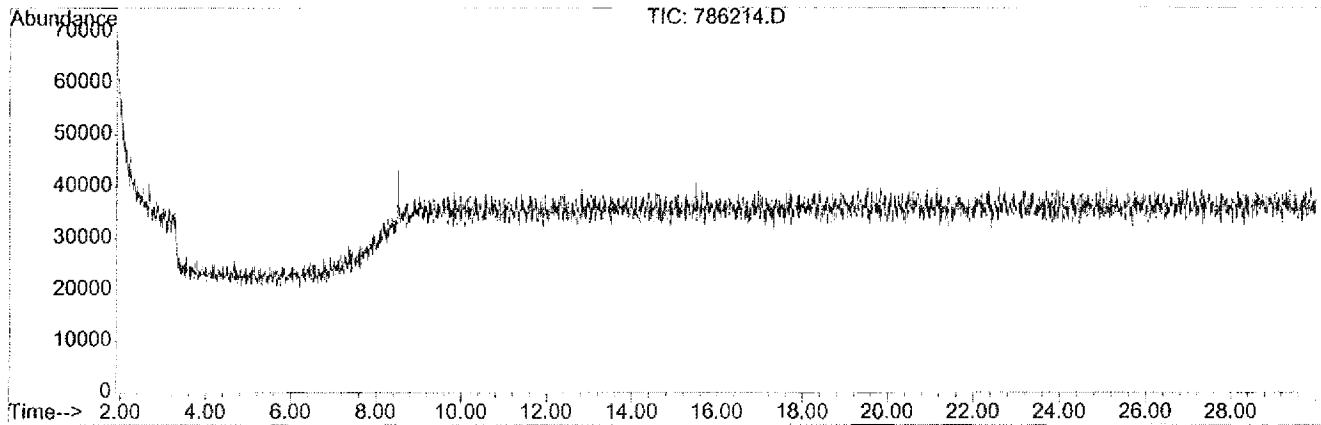
PK#	RT	Library/ID	CAS#	Qual
17	16.94	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	95
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	91
		Anthiaergosta-5,7,9,22-tetraene	1000213-42-2	49



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786214.D
Operator : DJR
Date Acquired : 5 May 2011 15:57
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



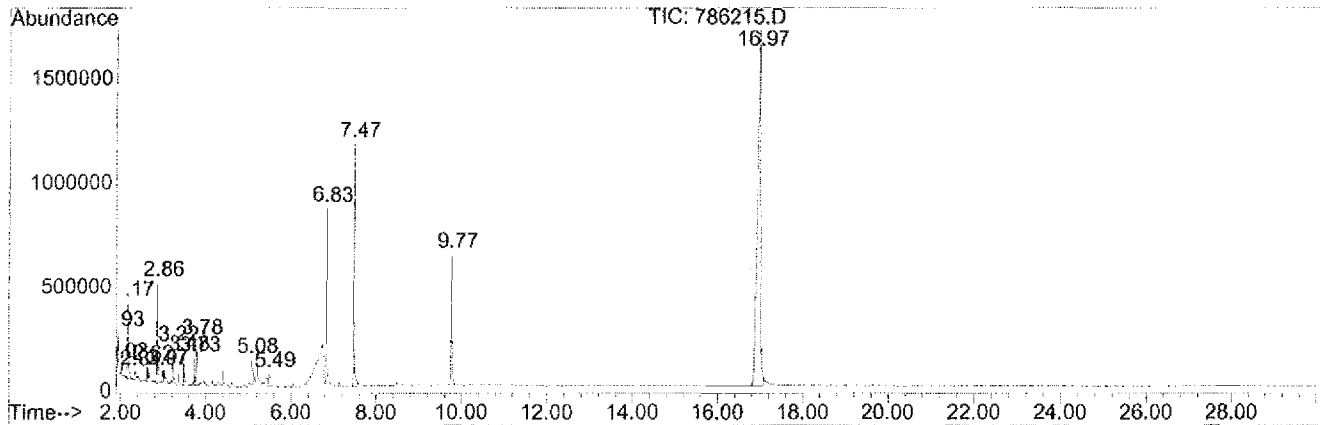
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786215.D
 Operator : DJR
 Date Acquired : 5 May 2011 16:31
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 15
 AcquisitionMeth: WSCREEN
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.935	353895	2.28	3.97
2.030	108766	0.70	1.22
2.168	678867	4.38	7.61
2.335	126718	0.82	1.42
2.617	109961	0.71	1.23
2.856	683892	4.41	7.67
2.970	106795	0.69	1.20
3.221	221643	1.43	2.49
3.478	155737	1.00	1.75
3.729	135156	0.87	1.52
3.783	258790	1.67	2.90
5.075	280334	1.81	3.14
5.488	159851	1.03	1.79
6.828	947368	6.11	10.62
7.474	1228147	7.92	13.77
9.765	1025962	6.62	11.51
16.968	8917157	57.53	100.00

Area Percent / Library Search Report

Information from Data File:

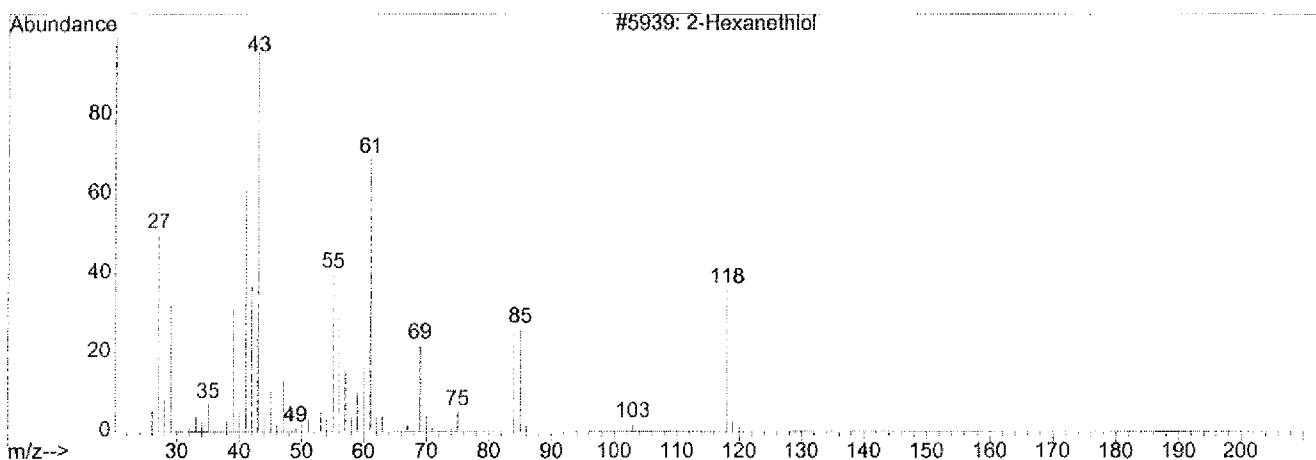
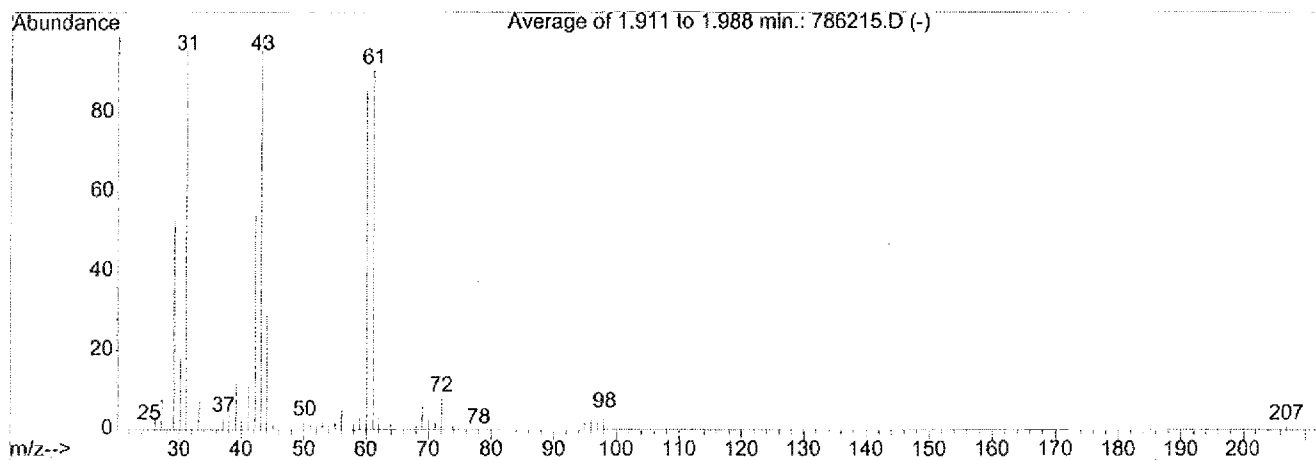
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	1.93	C:\DATABASE\NIST98.L		
		2-Hexanethiol	001679-06-7	17
		Carbonic dihydrazide	000497-18-7	12
		Propanedioic acid	000141-82-2	10



Area Percent / Library Search Report

Information from Data File:

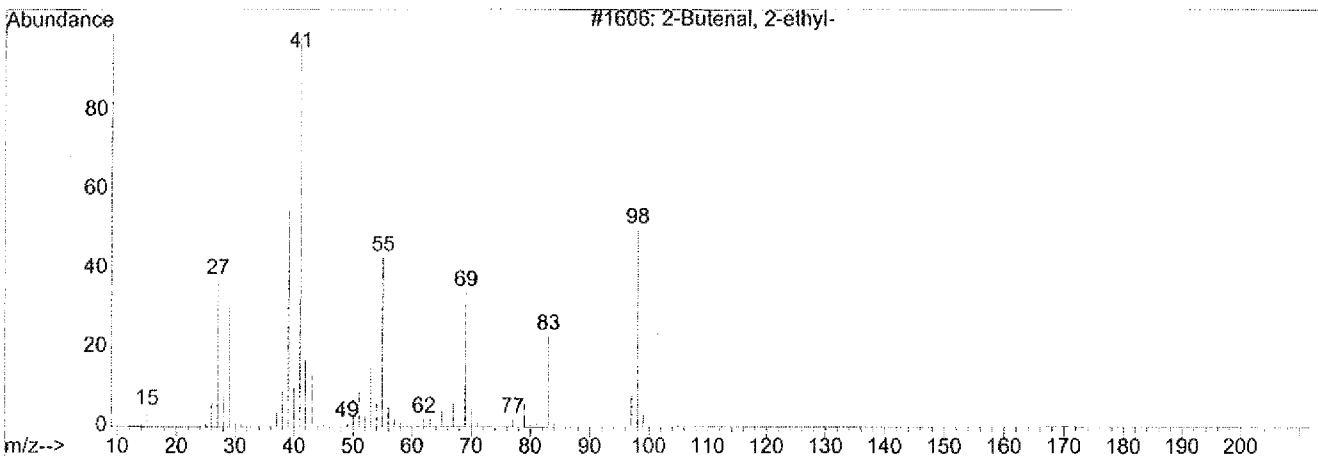
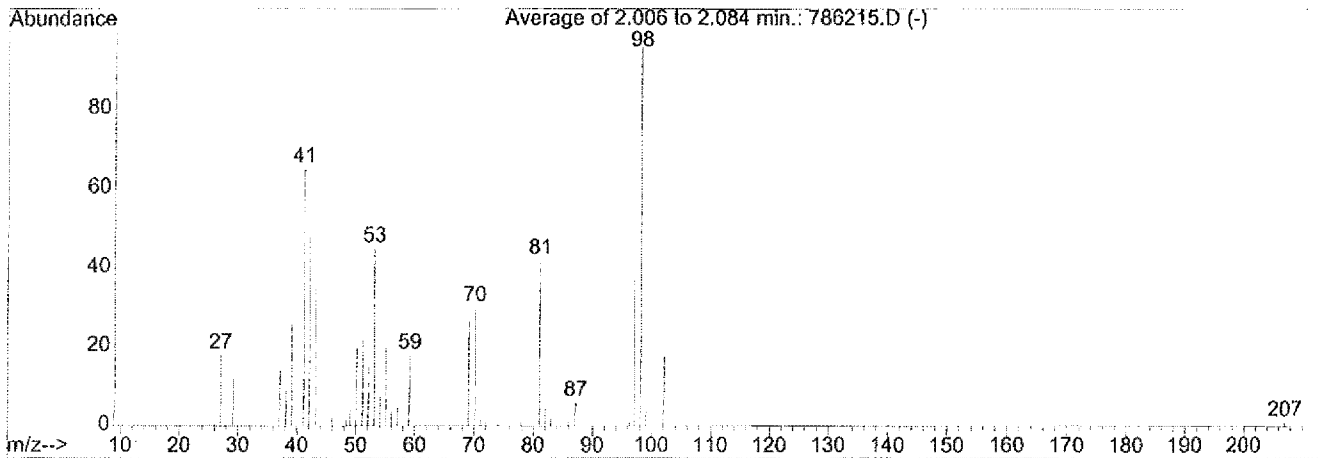
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	2.03	C:\DATABASE\NIST98.L		
		2-Butenal, 2-ethyl-	019780-25-7	59
		3-Furanmethanol	004412-91-3	59
		2-Furanmethanol	000098-00-0	50



Area Percent / Library Search Report

Information from Data File:

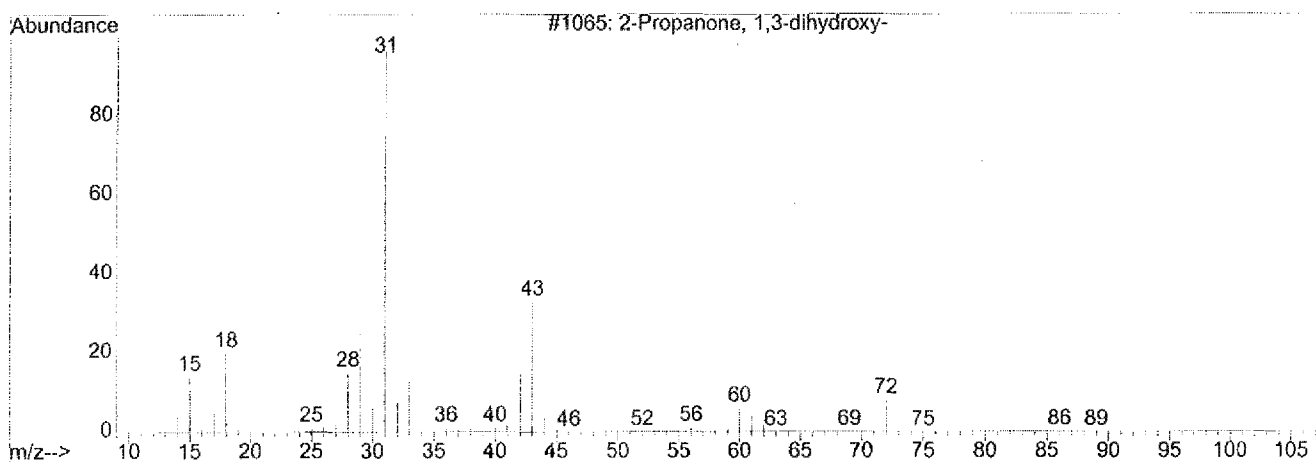
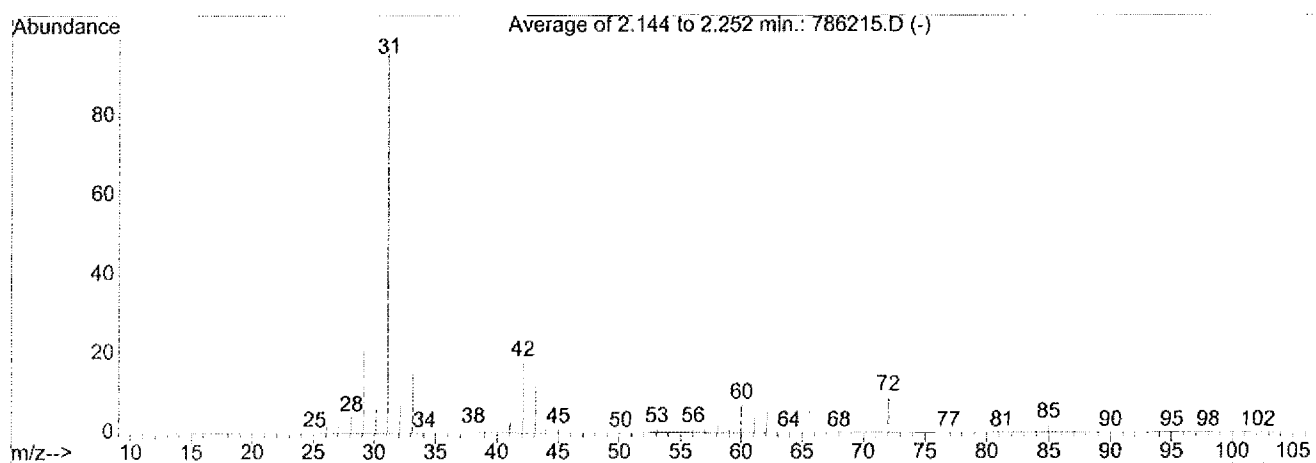
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	2.17	C:\DATABASE\NIST98.L		
		2-Propanone, 1,3-dihydroxy-	000096-26-4	78
		Acetaldehyde, hydroxy-	000141-46-8	42
		1,5-Pentanediol	000111-29-5	36



Area Percent / Library Search Report

Information from Data File:

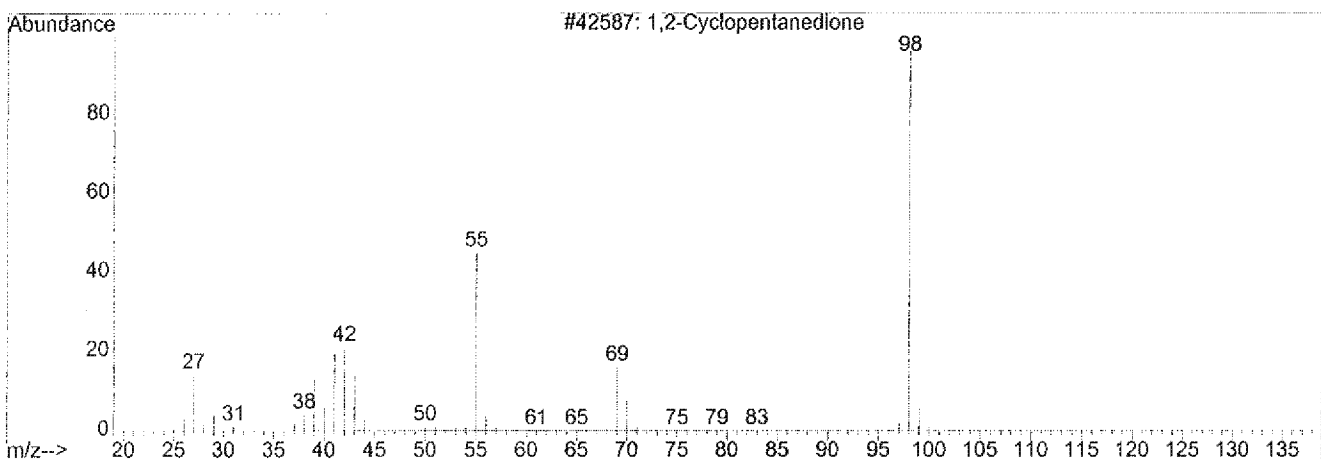
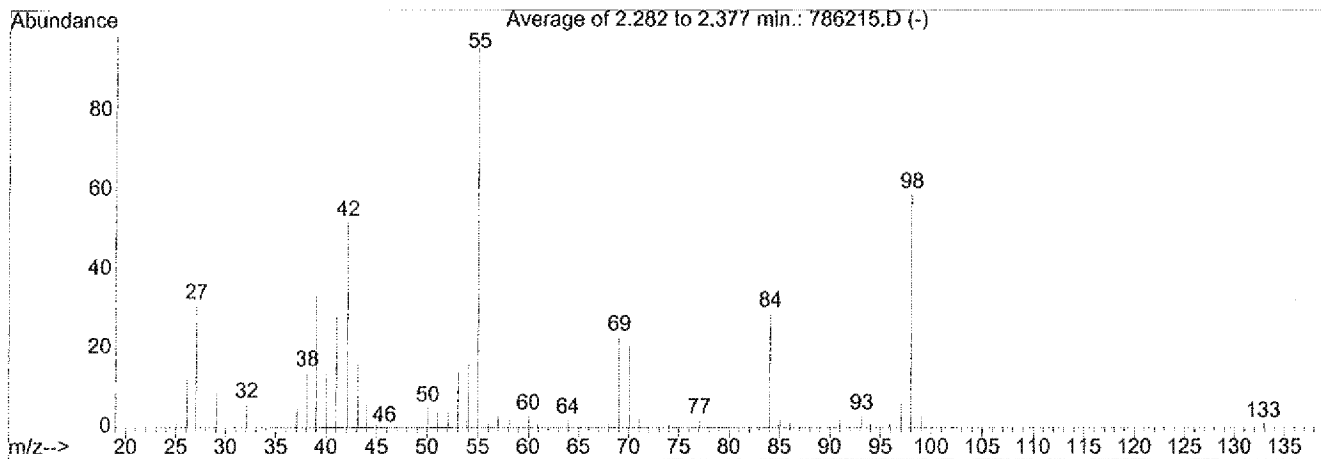
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
4	2.34	C:\DATABASE\NIST98.L		
		1,2-Cyclopentanedione	003008-40-0	49
		1,3-Cyclopentanedione	003859-41-4	49
		3-Hexene, (E) -	013269-52-8	45



Area Percent / Library Search Report

Information from Data File:

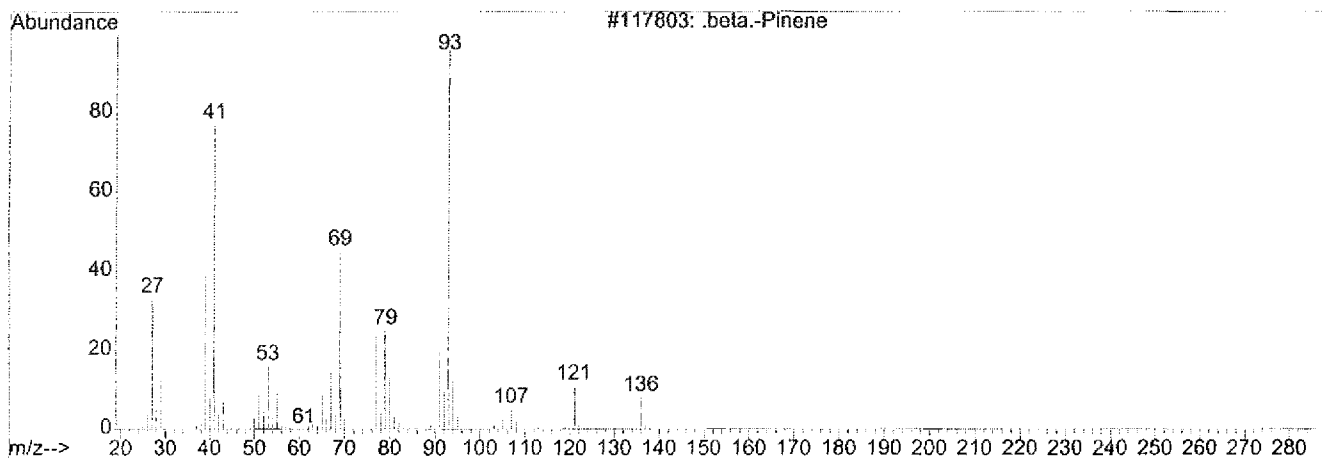
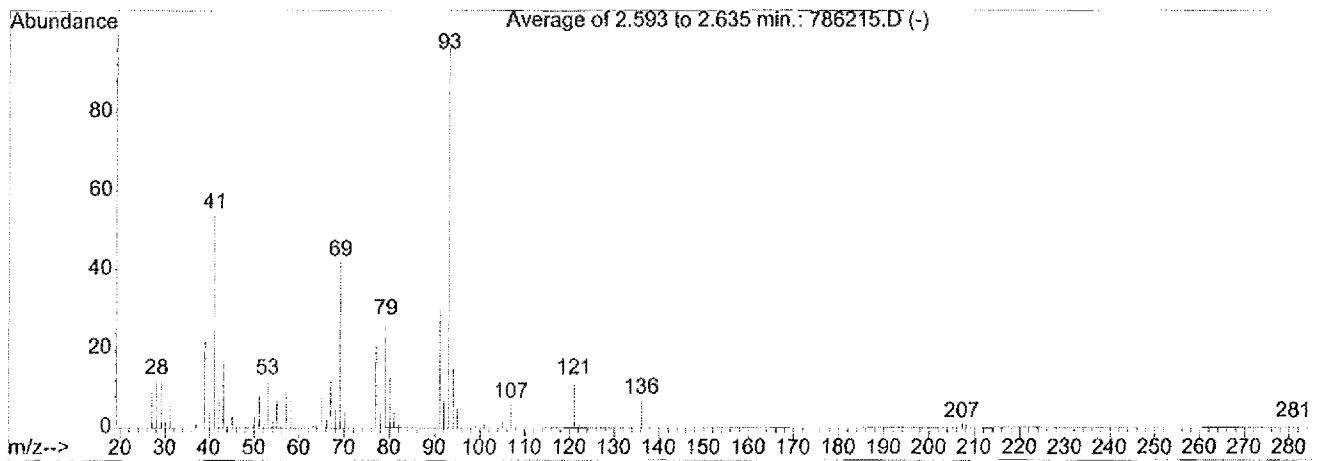
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
5	2.62	C:\DATABASE\NIST98.L		
		.beta.-Pinene	000127-91-3	96
		Bicyclo[3.1.1]heptane, 6,6-dimethyl	018172-67-3	95
		Bicyclo[3.1.1]heptane, 6,6-dimethyl	018172-67-3	95



Area Percent / Library Search Report

Information from Data File:

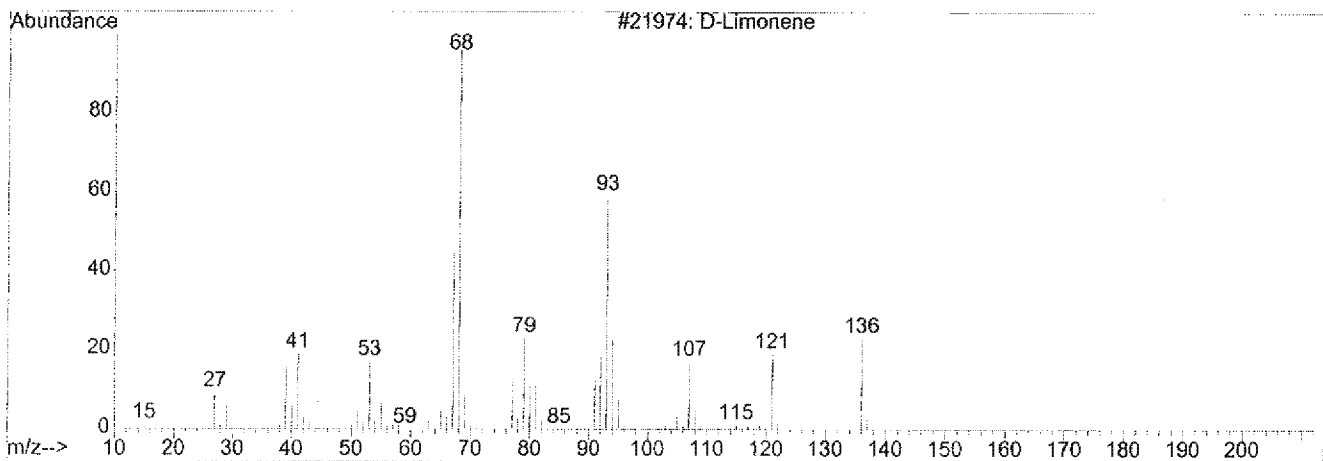
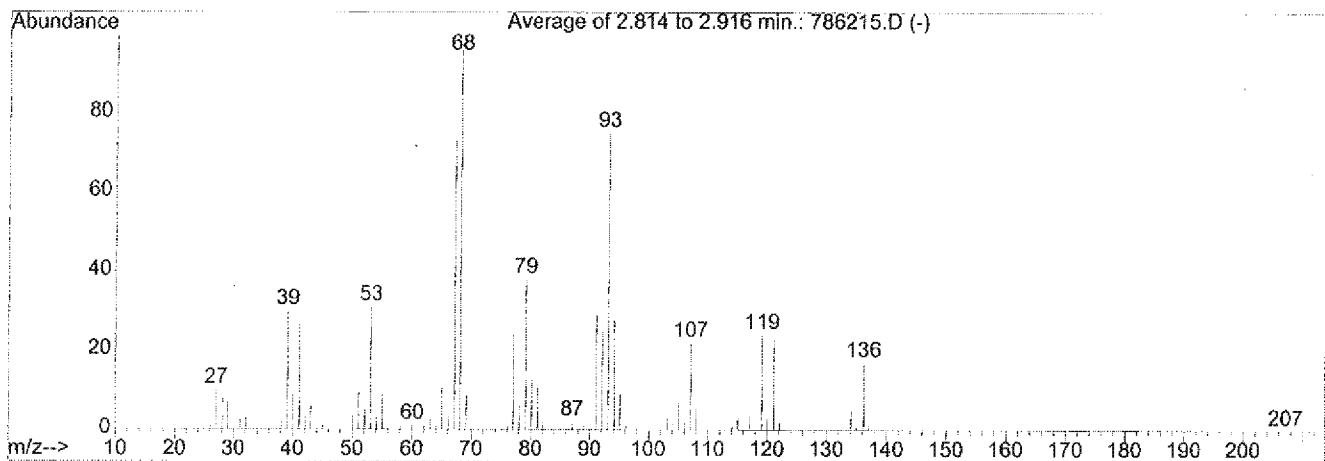
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
6	2.86	C:\DATABASE\NIST98.L		
		D-Limonene	005989-27-5	93
		D-Limonene	005989-27-5	93
		Cyclohexene, 1-methyl-4-(1-methylet	005989-54-8	93



Area Percent / Library Search Report

Information from Data File:

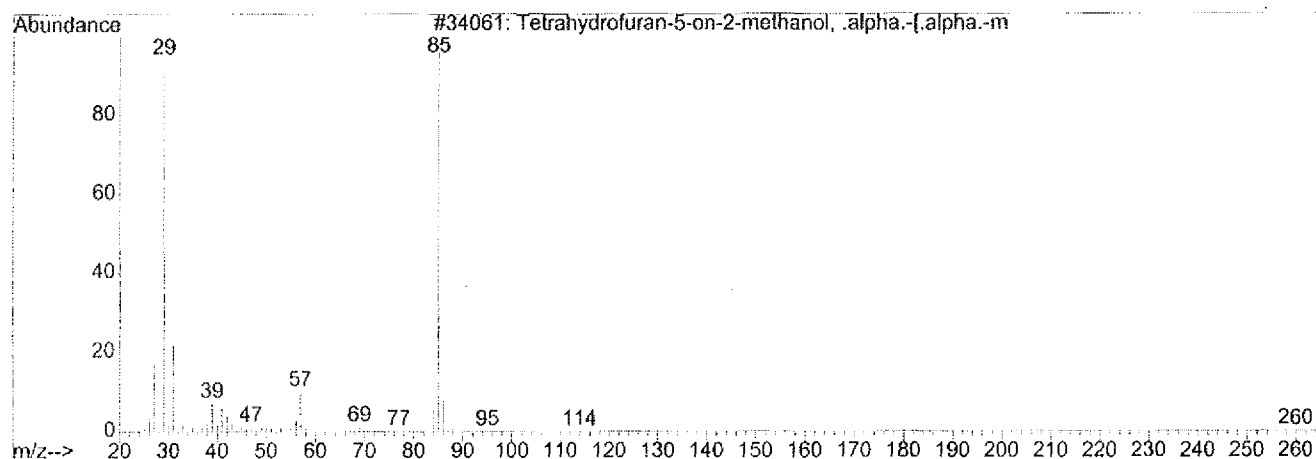
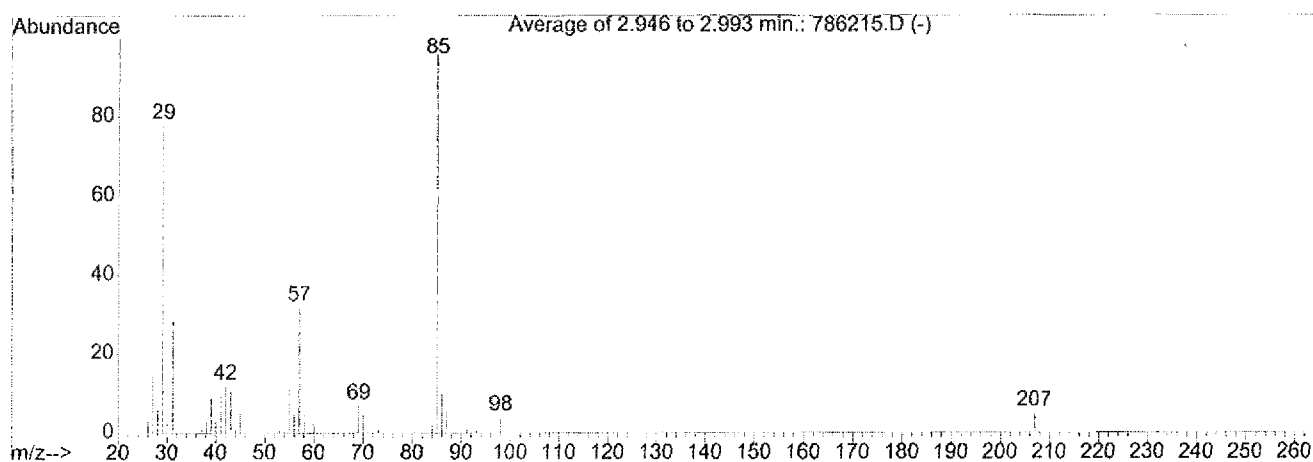
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
7	2.97	C:\DATABASE\NIST98.L		
		Tetrahydrofuran-5-on-2-methanol, .a	1000192-28-3	78
		2(3H)-Furanone, 5-acetyldihydro-	029393-32-6	59
		(S)-(+)-2',3'-Dideoxyribonolactone	032780-06-6	56



Area Percent / Library Search Report

Information from Data File:

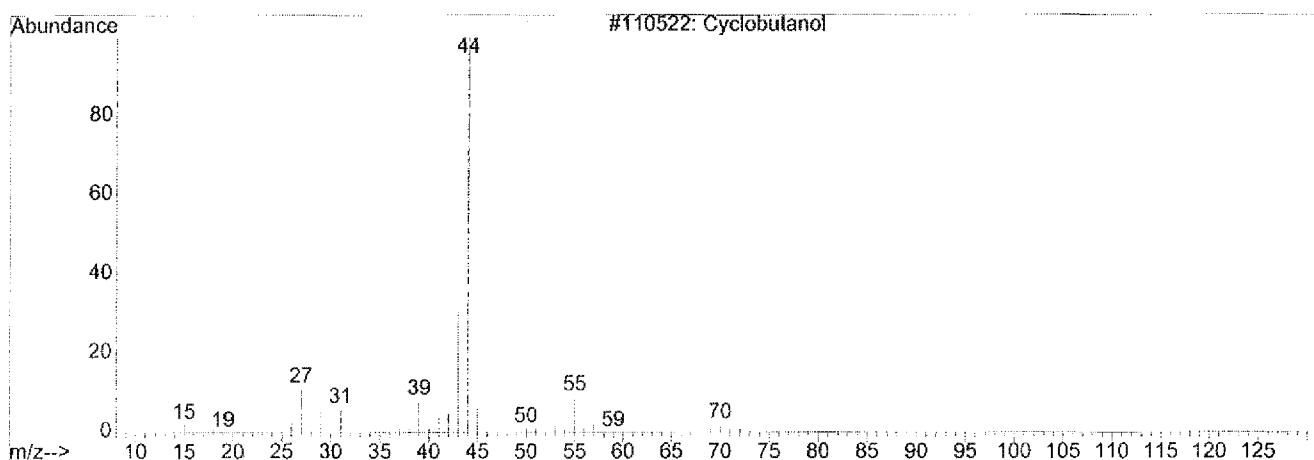
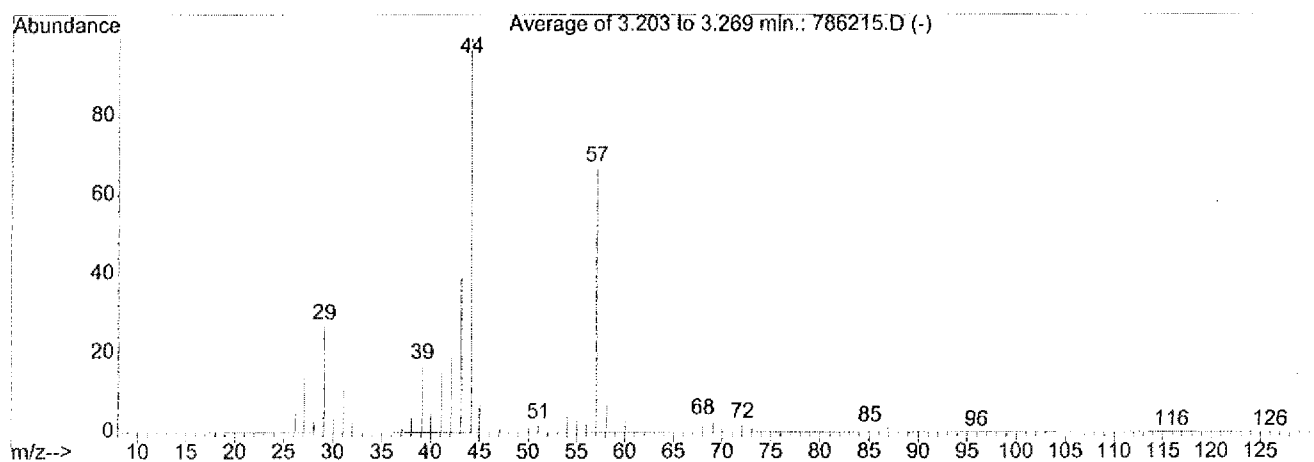
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
8	3.22	C:\DATABASE\NIST98.L		
		Cyclobutanol	002919-23-5	72
		Cyclopropyl carbinol	002516-33-8	64
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	64



Area Percent / Library Search Report

Information from Data File:

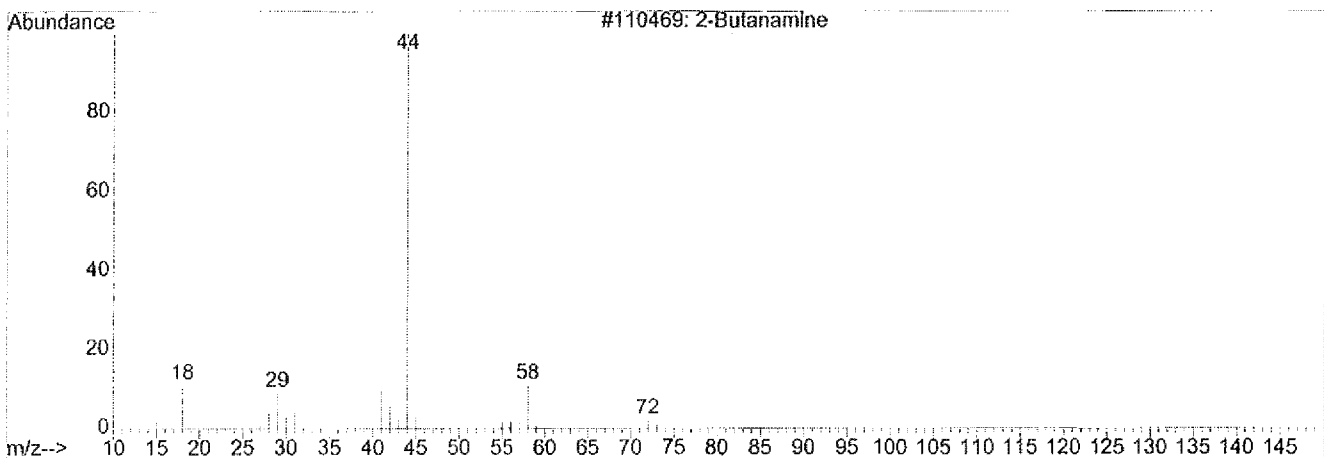
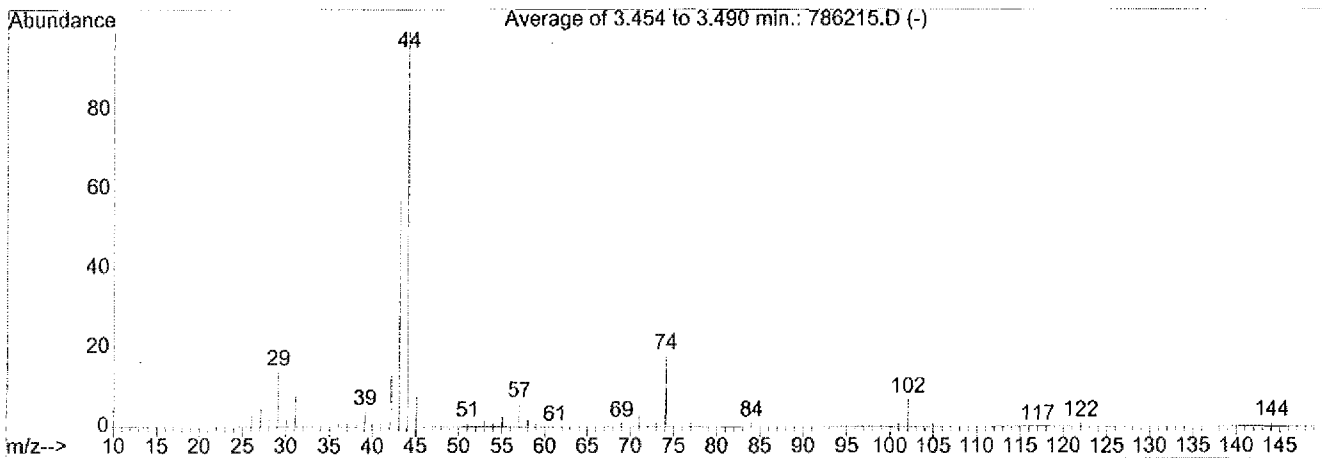
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
9	3.48	C:\DATABASE\NIST98.L		
		2-Butanamine	013952-84-6	45
		2-Propanamine, 1-methoxy-	037143-54-7	45
		Cyclopropyl carbinol	002516-33-8	39



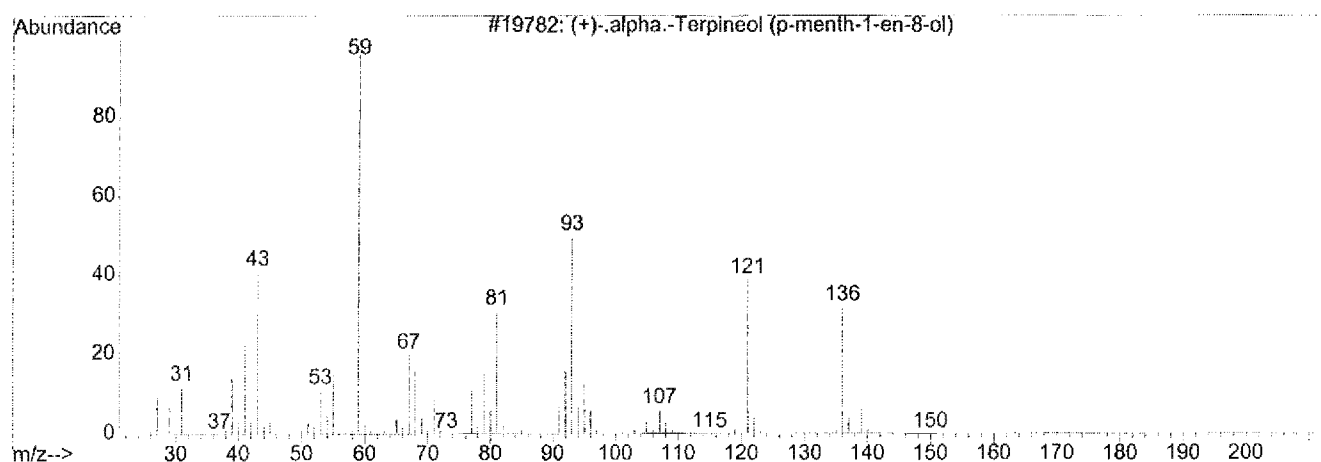
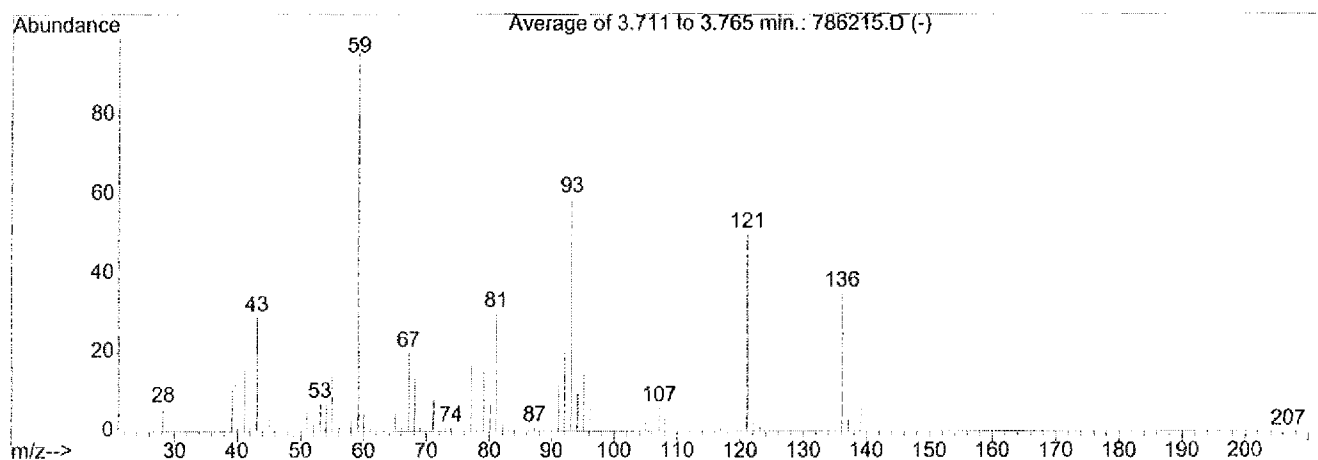
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786215.D
 Operator : DJR
 Date Acquired : 5 May 2011 16:31
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 15
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
10	3.73	C:\DATABASE\NIST98.L		
		(+)-.alpha.-Terpineol (p-menth-1-en	1000157-89-9	91
		3-Cyclohexene-1-methanol, .alpha.,.	000098-55-5	83
		(-)-.alpha.-Terpineol (p-menth-1-en	1000151-92-4	43



Area Percent / Library Search Report

Information from Data File:

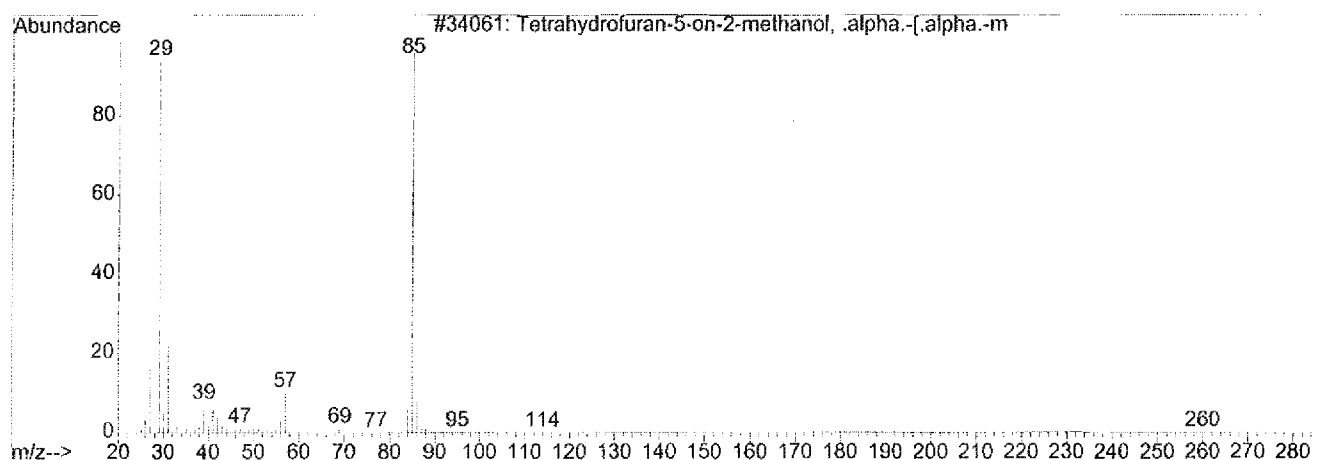
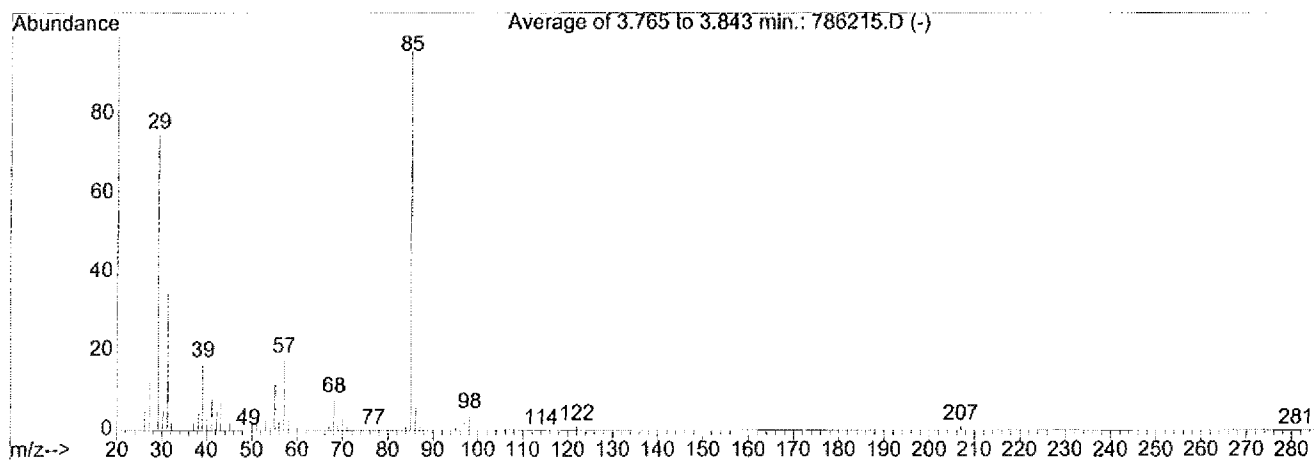
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
11	3.78	C:\DATABASE\NIST98.L		
		Tetrahydrofuran-5-on-2-methanol, .a	1000192-28-3	78
		2(3H)-Furanone, 5-acetyldihydro-	029393-32-6	72
		4-Methoxycarbonyl-4-butanolide	003885-29-8	56



Area Percent / Library Search Report

Information from Data File:

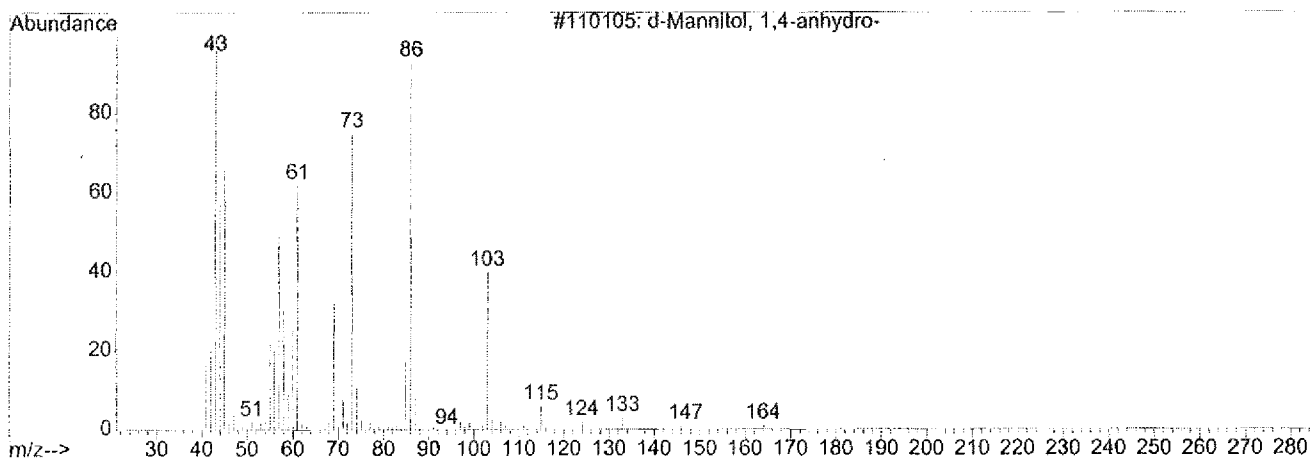
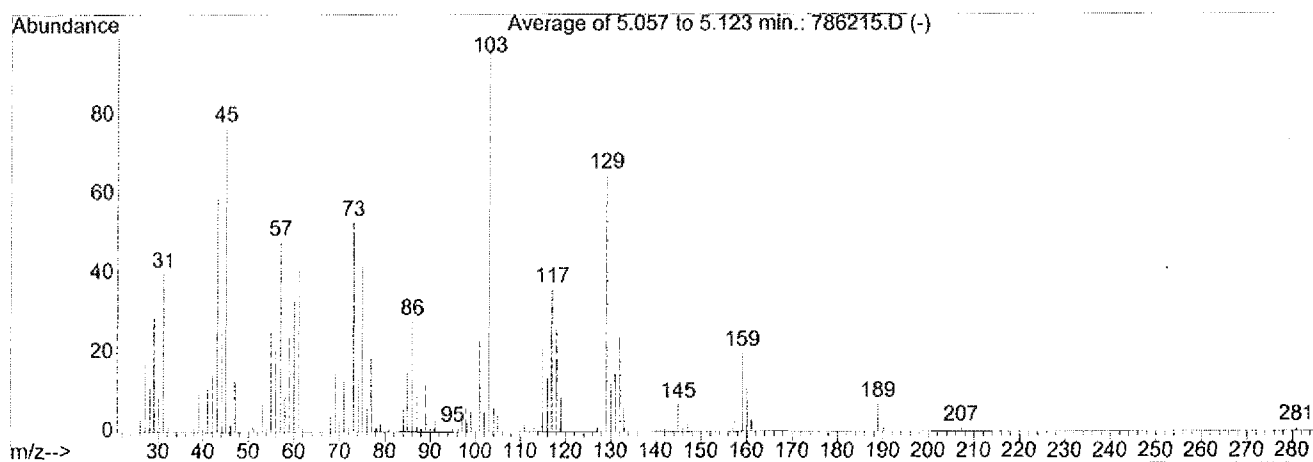
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
12	5.08	C:\DATABASE\NIST98.L		
		d-Mannitol, 1,4-anhydro-	007726-97-8	43
		Silane, [3-(2,3-epoxypropoxy)propyl	017963-04-1	27
		Silane, dimethyl[(methylsilyl)methy	018148-13-5	22



Area Percent / Library Search Report

Information from Data File:

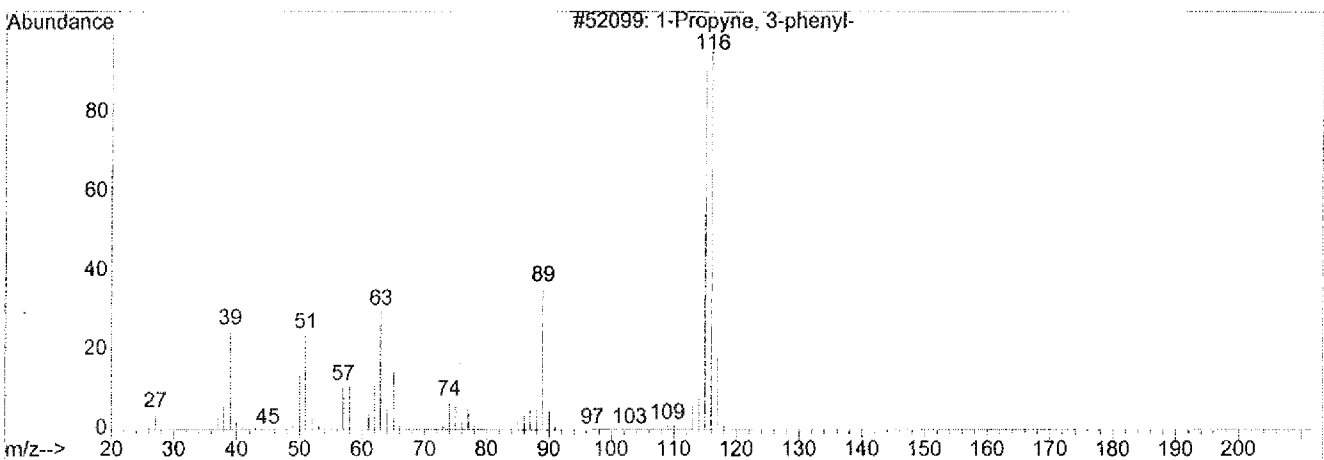
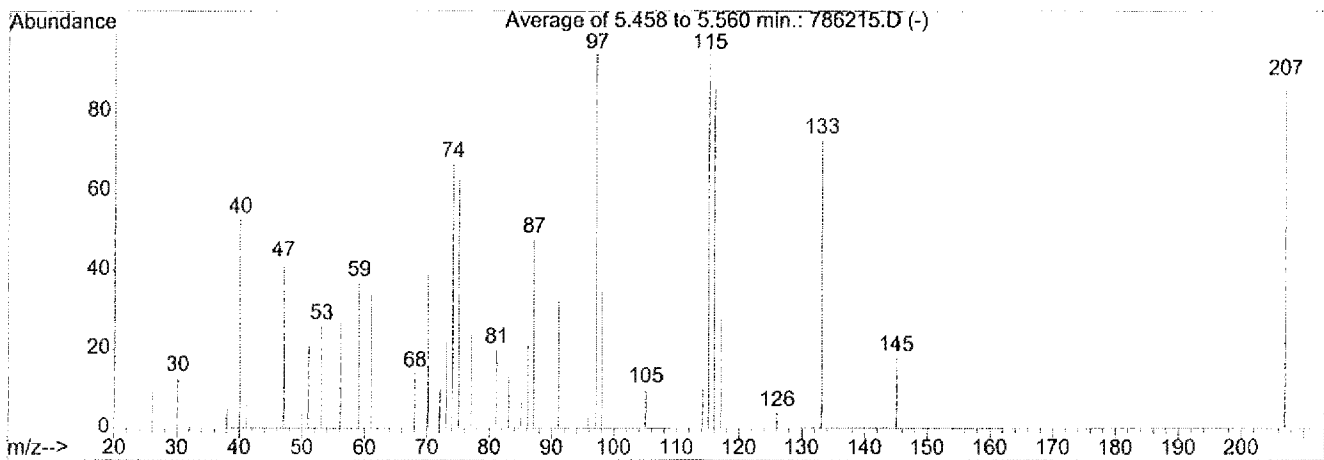
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
13	5.49	C:\DATABASE\NIST98.L		
		1-Propyne, 3-phenyl-	010147-11-2	22
		3(2H)-Isothiazolone, 2-methyl-	002682-20-4	14
		2H-Thiopyran-3,5-diol, tetrahydro-4	114454-91-0	12



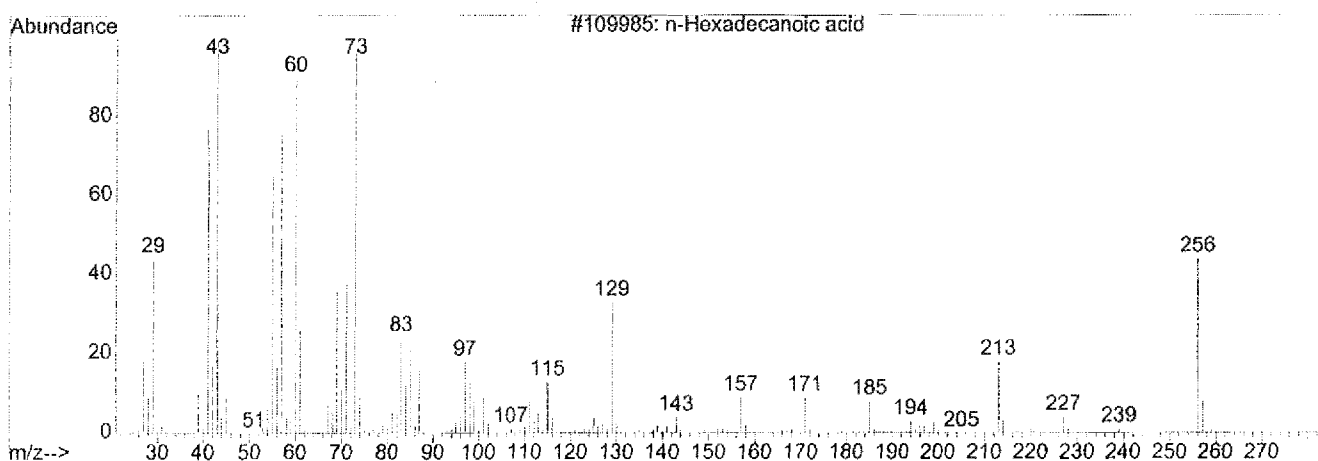
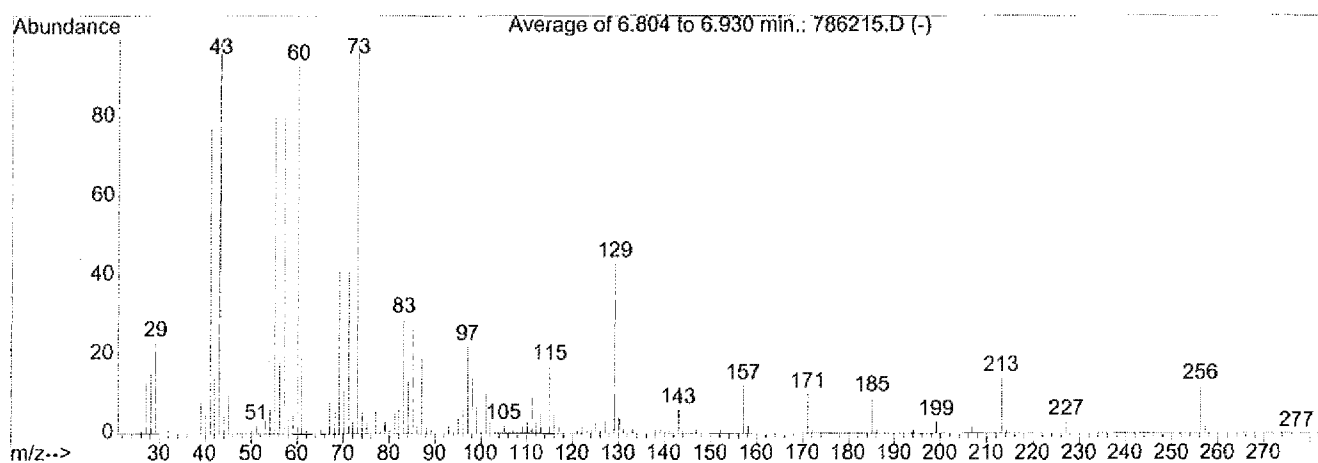
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786215.D
 Operator : DJR
 Date Acquired : 5 May 2011 16:31
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 15
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
14	6.83	C:\DATABASE\NIST98.L		
		n-Hexadecanoic acid	000057-10-3	98
		n-Hexadecanoic acid	000057-10-3	93
		Tridecanoic acid	000638-53-9	90



Area Percent / Library Search Report

Information from Data File:

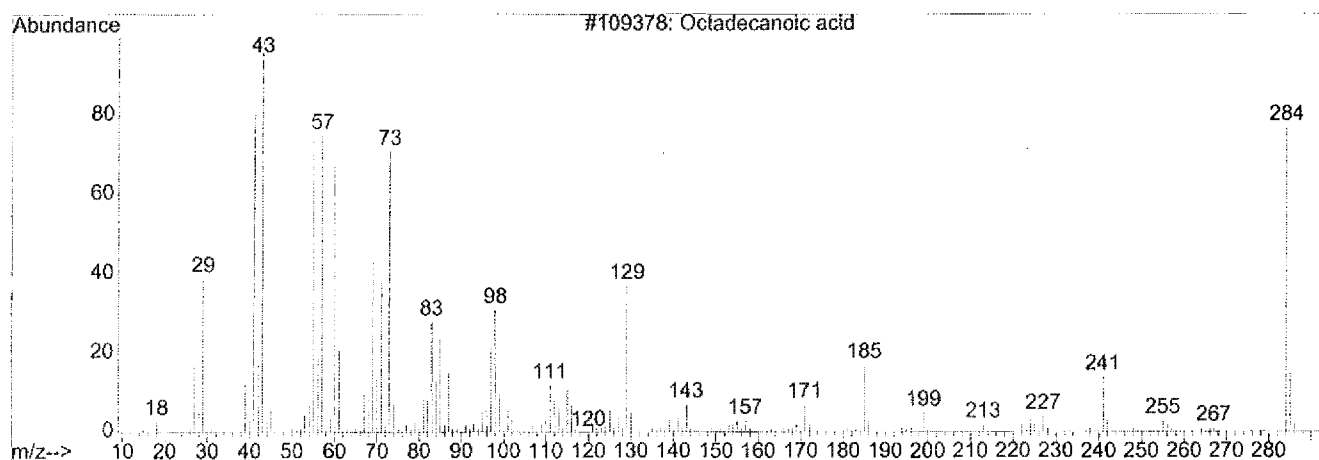
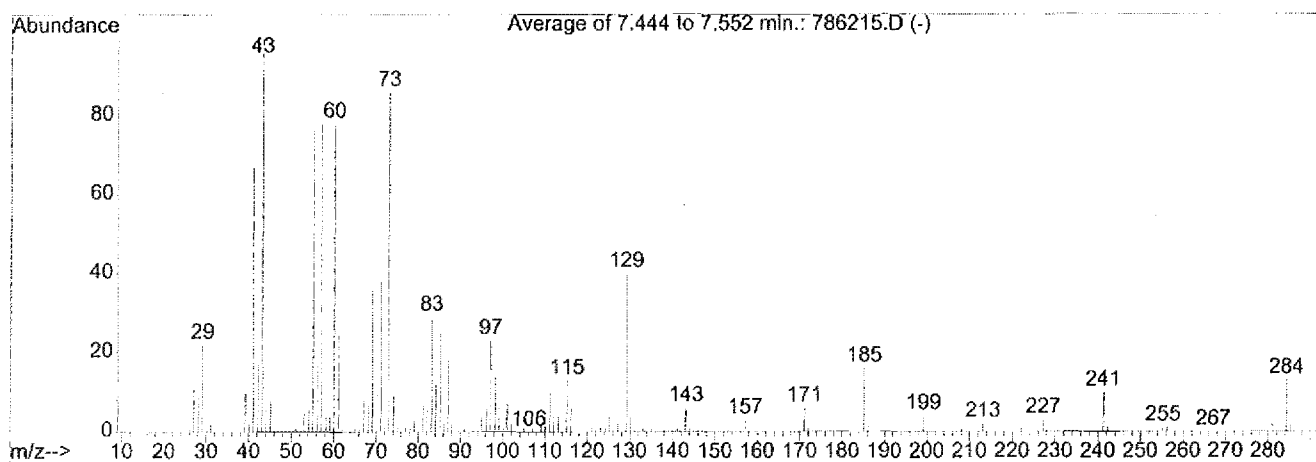
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
15	7.47	C:\DATABASE\NIST98.L		
		Octadecanoic acid	000057-11-4	96
		Octadecanoic acid	000057-11-4	95
		Octadecanoic acid	000057-11-4	95



Area Percent / Library Search Report

Information from Data File:

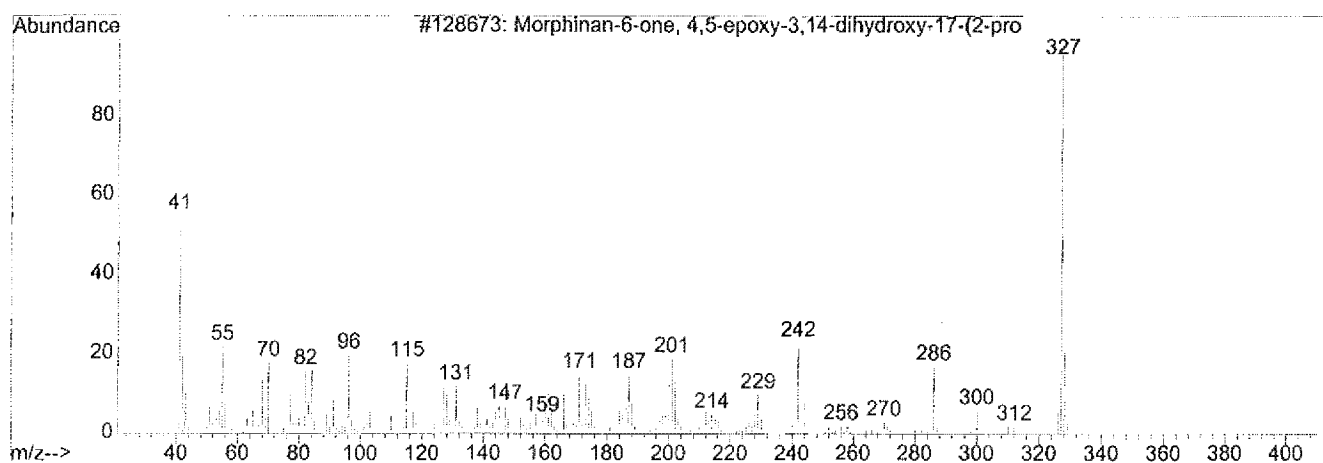
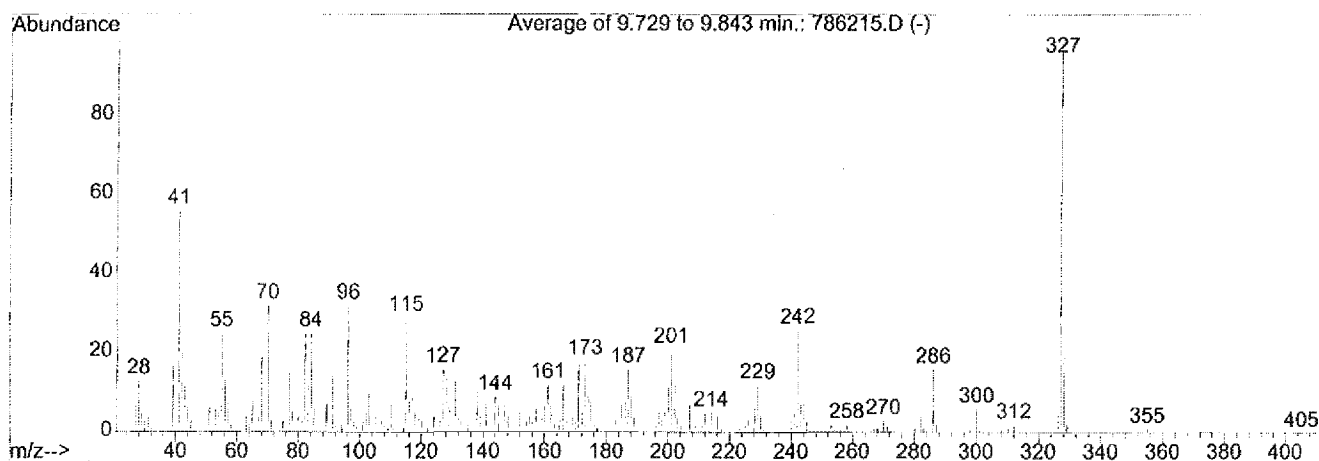
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : 
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
16	9.77	C:\DATABASE\NIST98.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	78
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	70



Area Percent / Library Search Report

Information from Data File:

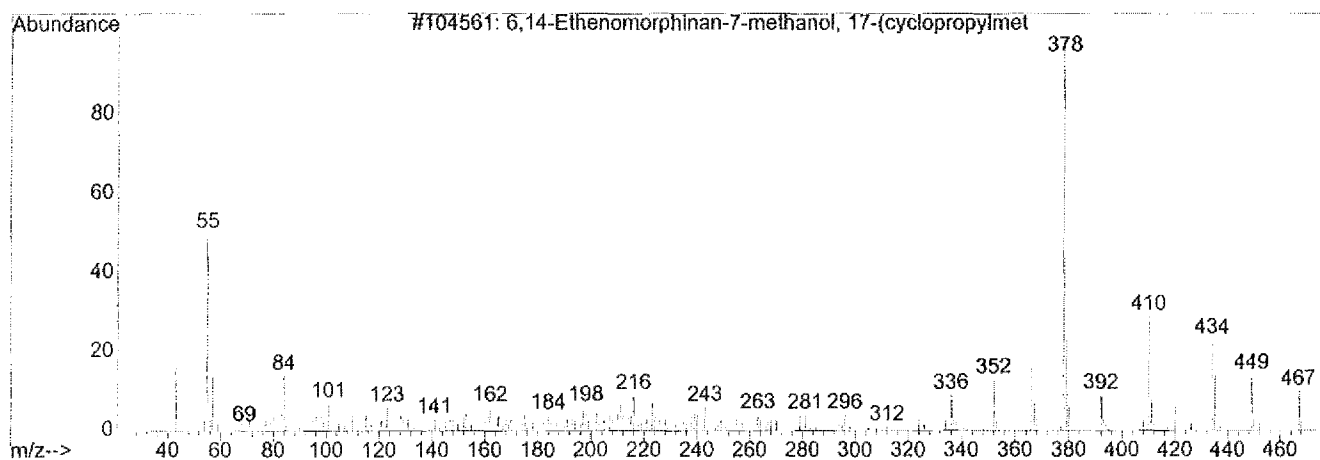
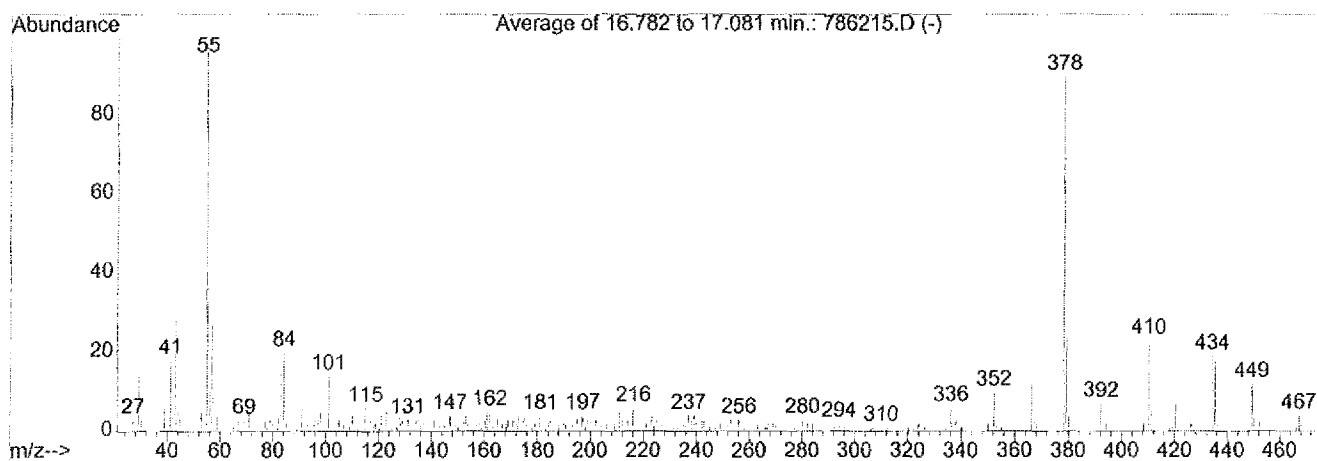
```

File Name       : D:\SYSTEM4\05_05_11\786215.D
Operator        : DJR
Date Acquired   : 5 May 2011 16:31
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 15
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

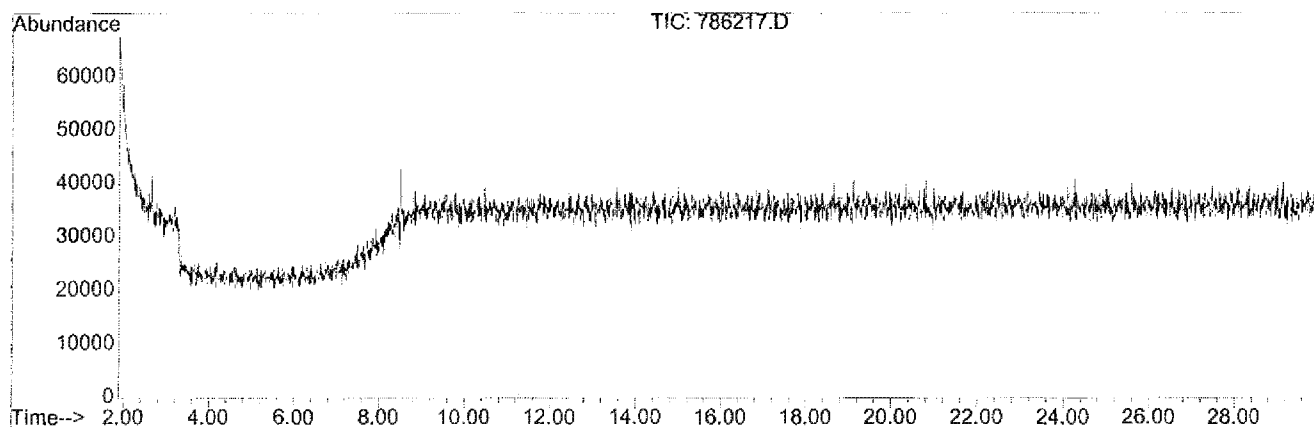
PK#	RT	Library/ID	CAS#	Qual
17	16.97	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96
		10-Methoxycamptothecin	019685-10-0	55



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786217.D
Operator : DJR
Date Acquired : 5 May 2011 17:39
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



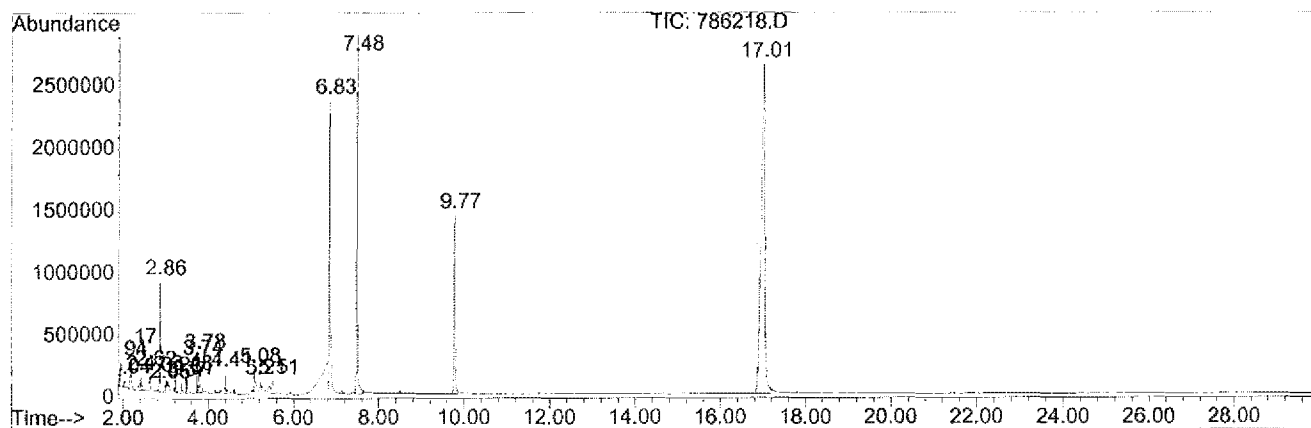
Ret. Time	Area	Area %	Ratio %
-----------	------	--------	---------

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786218.D
 Operator : DJR
 Date Acquired : 5 May 2011 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 18
 AcquisitionMeth: WSCREEN
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.941	393196	1.29	2.39
2.036	120909	0.40	0.73
2.168	600344	1.96	3.65
2.413	206689	0.68	1.26
2.617	203154	0.66	1.23
2.856	1253251	4.10	7.61
2.964	106203	0.35	0.65
3.227	148897	0.49	0.90
3.370	108873	0.36	0.66
3.478	158543	0.52	0.96
3.508	167966	0.55	1.02
3.735	260980	0.85	1.59
3.783	342948	1.12	2.08
4.405	201602	0.66	1.22
5.075	237901	0.78	1.45
5.213	153760	0.50	0.93
5.506	287717	0.94	1.75
6.834	3342163	10.93	20.31
7.480	3426133	11.20	20.82
9.771	2411354	7.88	14.65
17.010	16458129	53.80	100.00

Area Percent / Library Search Report

Information from Data File:

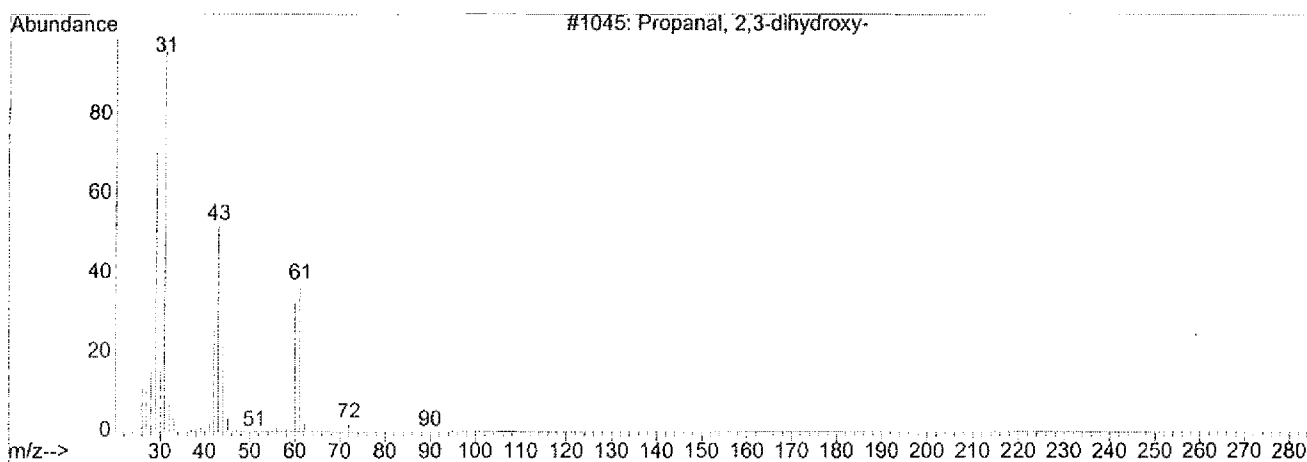
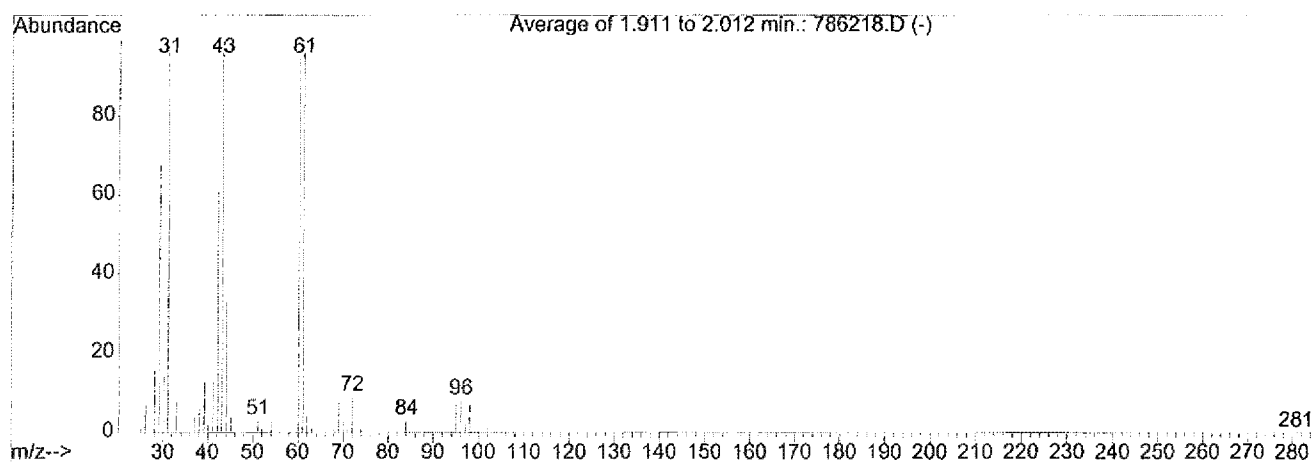
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : 
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	1.94	C:\DATABASE\NIST98.L		
		Propanal, 2,3-dihydroxy-	000367-47-5	78
		Methyl serine	1000130-35-2	25
		3-Buten-1-ol	000627-27-0	10



Area Percent / Library Search Report

Information from Data File:

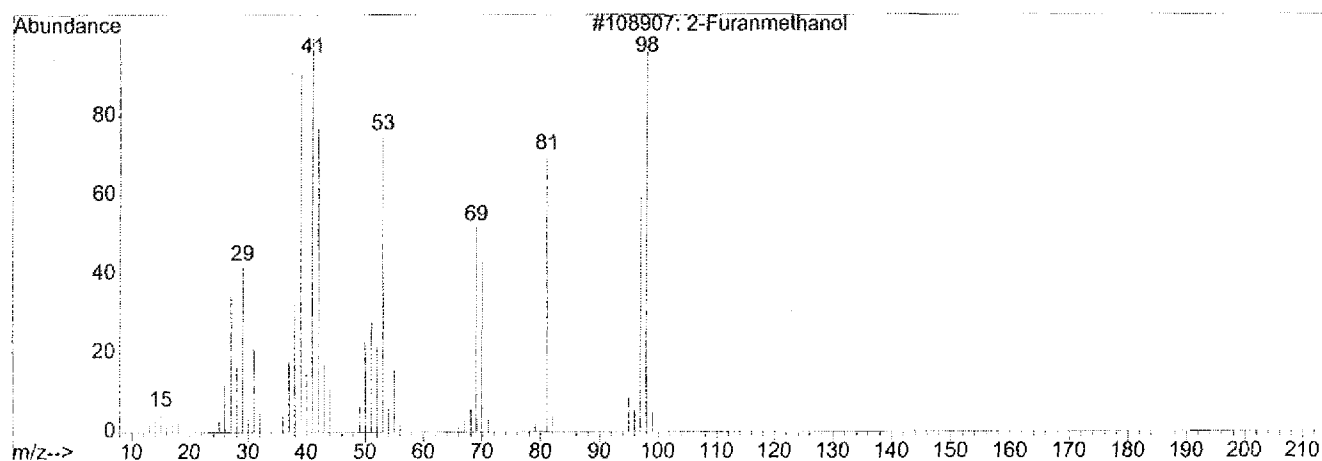
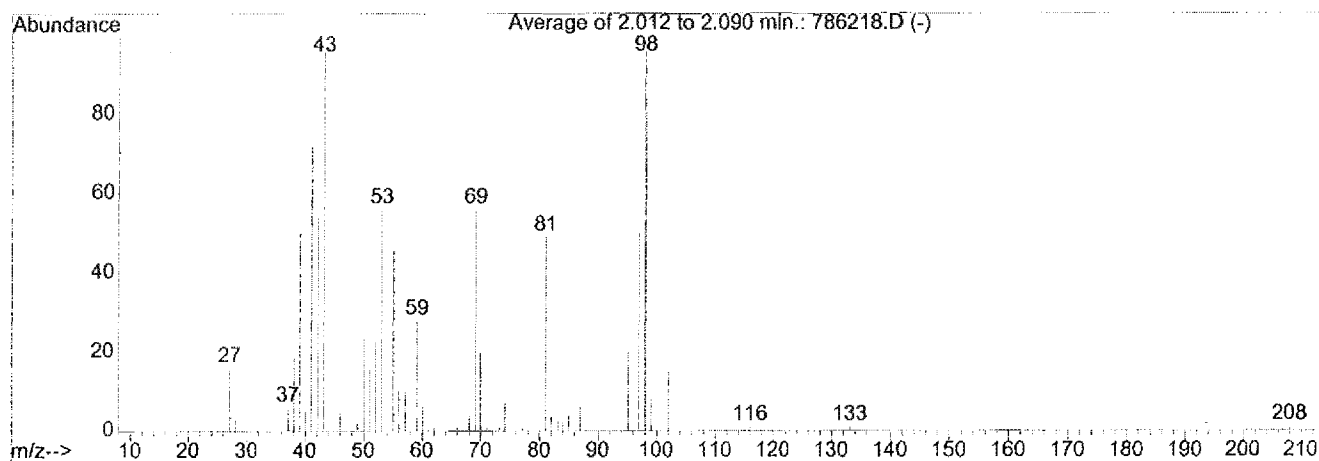
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	2.04	C:\DATABASE\NIST98.L		
		2-Furanmethanol	000098-00-0	62
		2-Furanmethanol	000098-00-0	58
		3(2H)-Pyridazinone, 6-methyl-	013327-27-0	37



Area Percent / Library Search Report

Information from Data File:

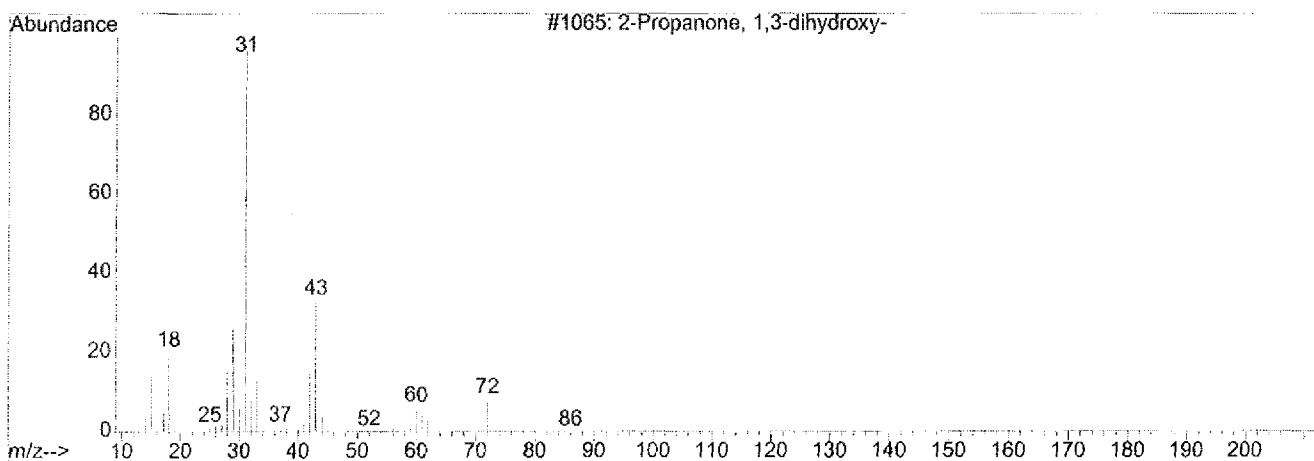
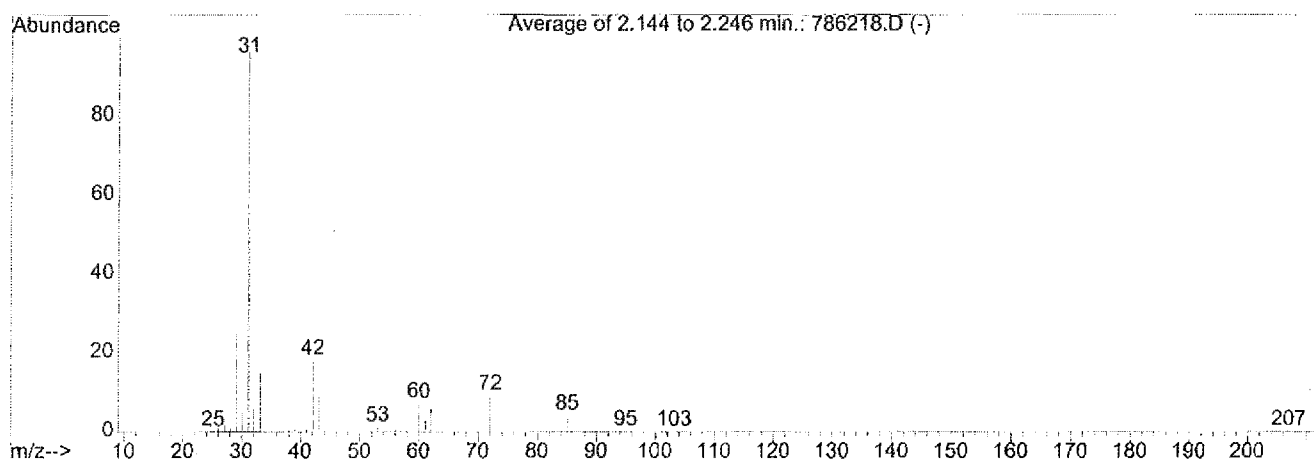
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : 
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	2.17	C:\DATABASE\NIST98.L		
		2-Propanone, 1,3-dihydroxy-	000096-26-4	56
		1-Propanol	000071-23-8	45
		Acetic acid, hydroxy-, methyl ester	000096-35-5	39



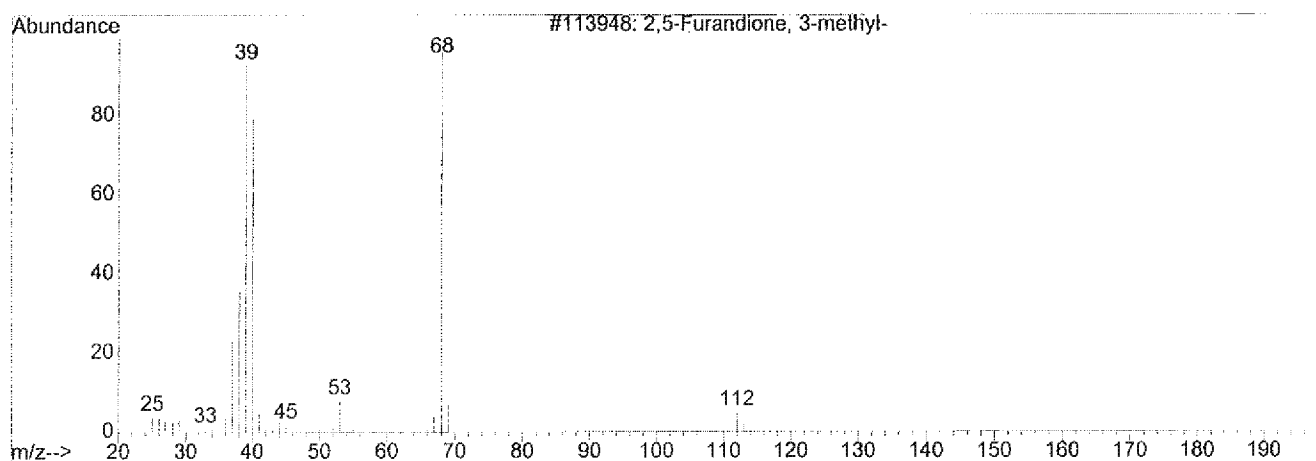
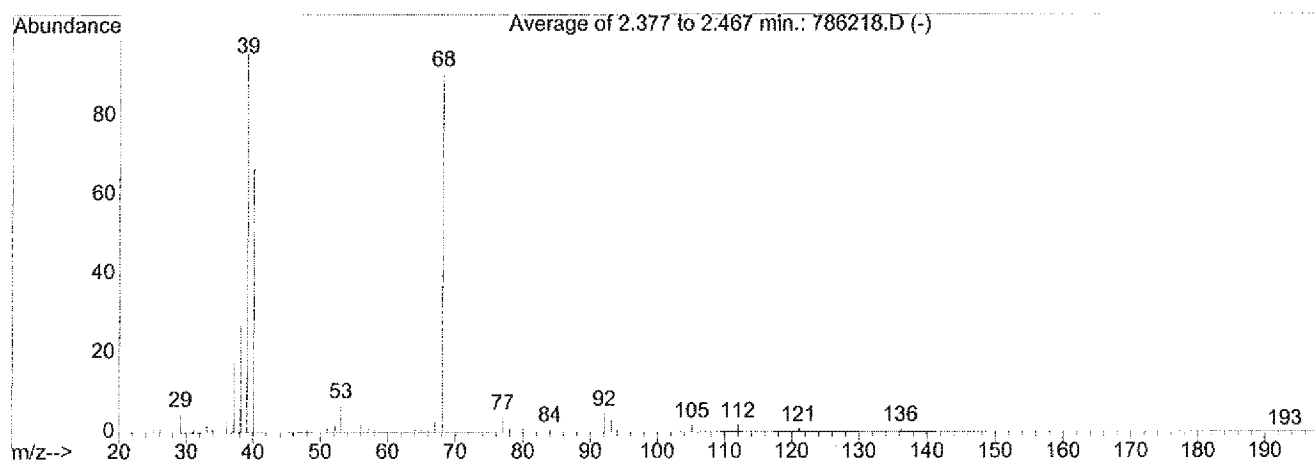
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786218.D
 Operator : DJR
 Date Acquired : 5 May 2011 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 18
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
4	2.41	C:\DATABASE\NIST98.L		
		2,5-Furandione, 3-methyl-	000616-02-4	90
		2H-Pyran-2-one	000504-31-4	74
		2H-Pyran-2-one	000504-31-4	74



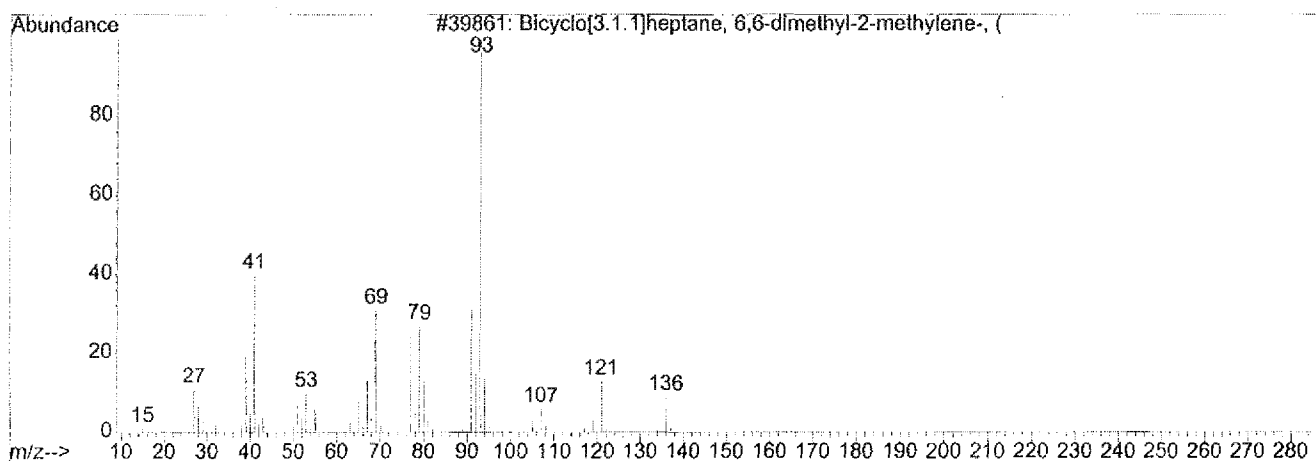
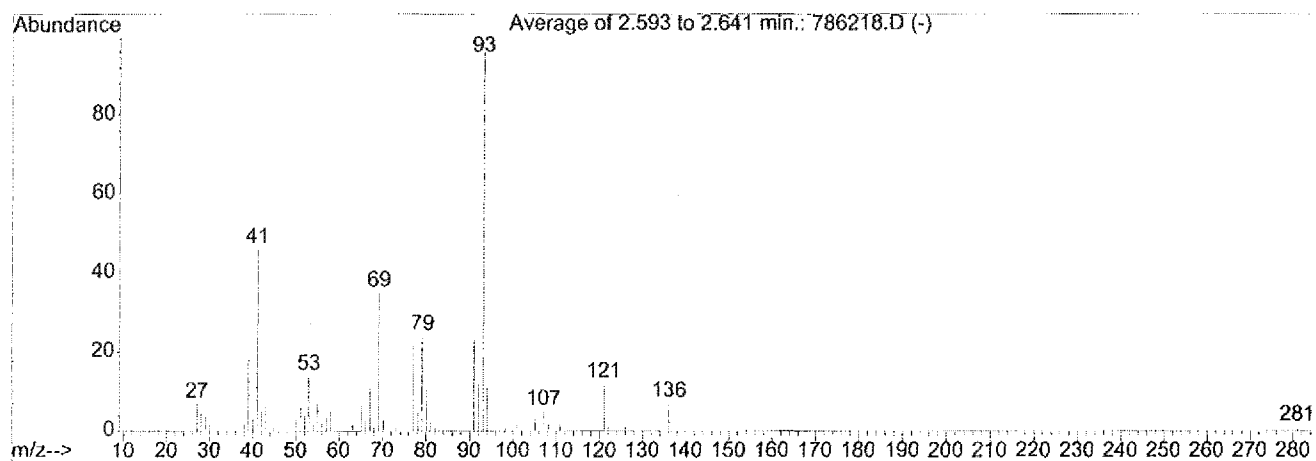
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786218.D
 Operator : DJR
 Date Acquired : 5 May 2011 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 18
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
5	2.62	C:\DATABASE\NIST98.L		
		Bicyclo[3.1.1]heptane, 6,6-dimethyl	018172-67-3	97
		Bicyclo[3.1.1]heptane, 6,6-dimethyl	018172-67-3	96
		.beta.-Pinene	000127-91-3	95



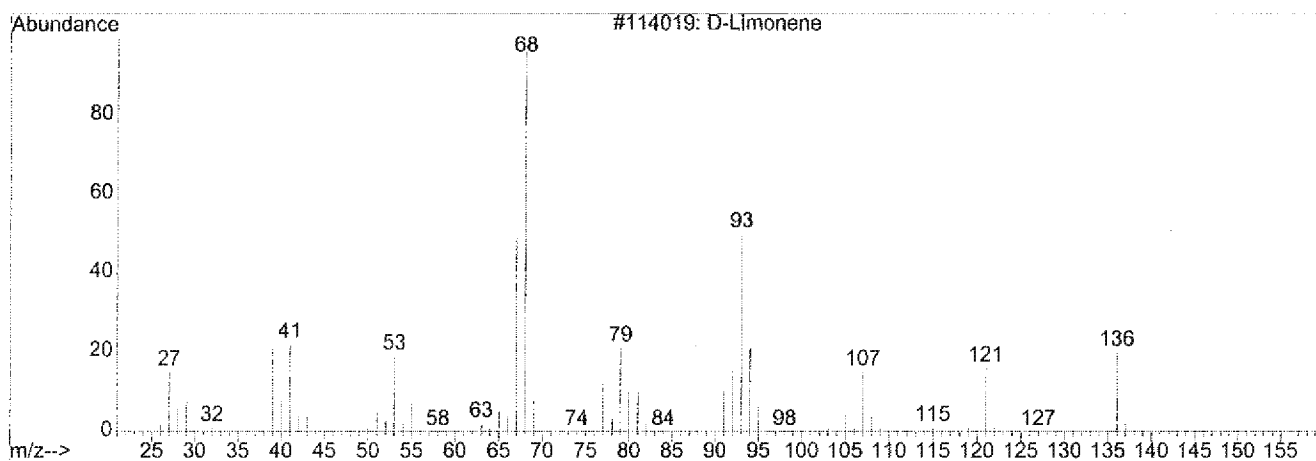
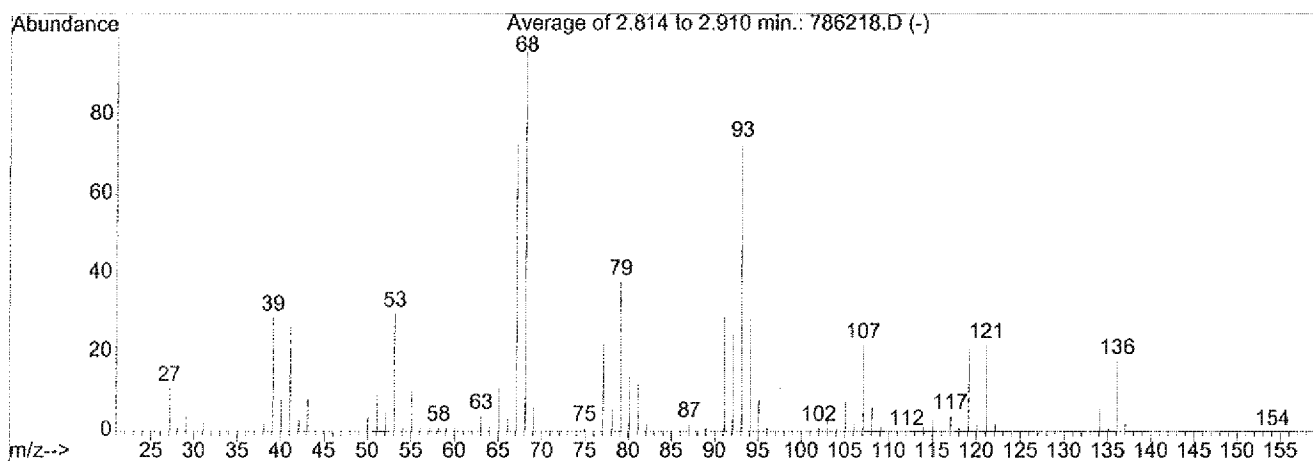
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786218.D
 Operator : DJR
 Date Acquired : 5 May 2011 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 18
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
6	2.86	C:\DATABASE\NIST98.L		
		D-Limonene	005989-27-5	93
		D-Limonene	005989-27-5	93
		Limonene	000138-86-3	93



Area Percent / Library Search Report

Information from Data File:

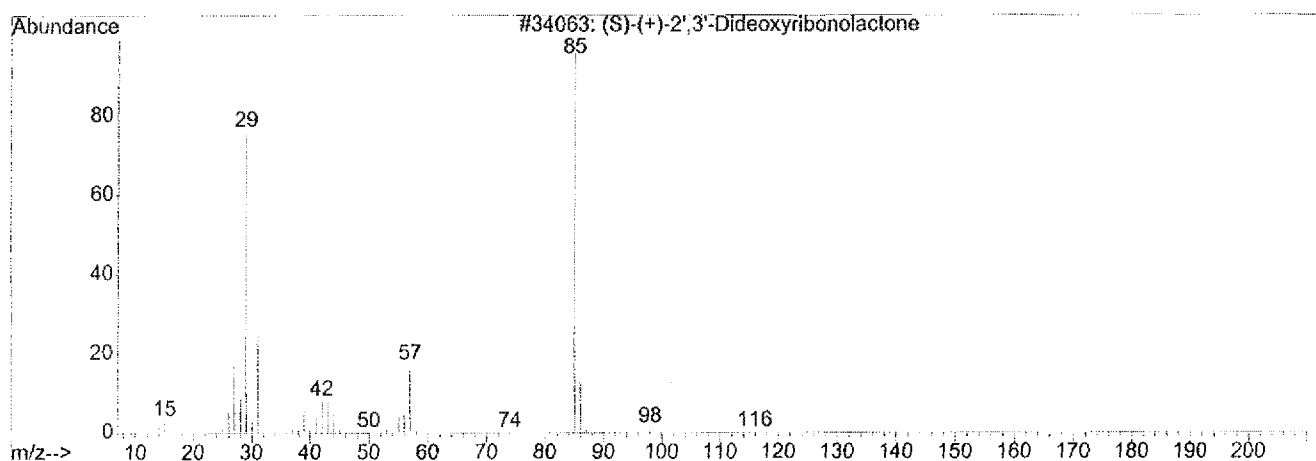
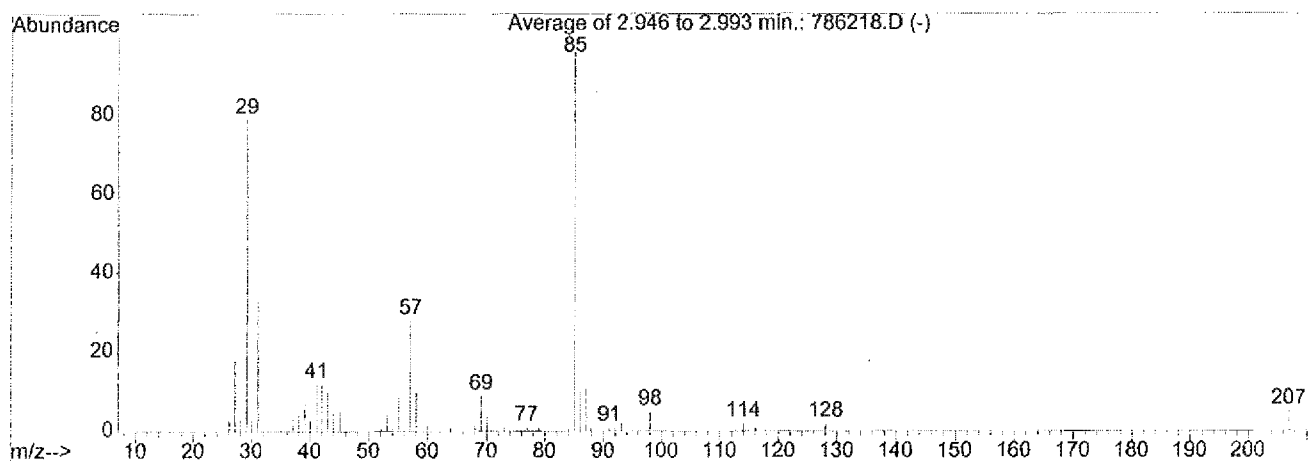
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
7	2.96	C:\DATABASE\NIST98.L		
		(S) - (+) - 2',3'-Dideoxyribonolactone	032780-06-6	72
		Tetrahydrofuran-5-on-2-methanol, .a	1000192-28-3	64
		2(3H)-Furanone, 5-acetyldihydro-	029393-32-6	42



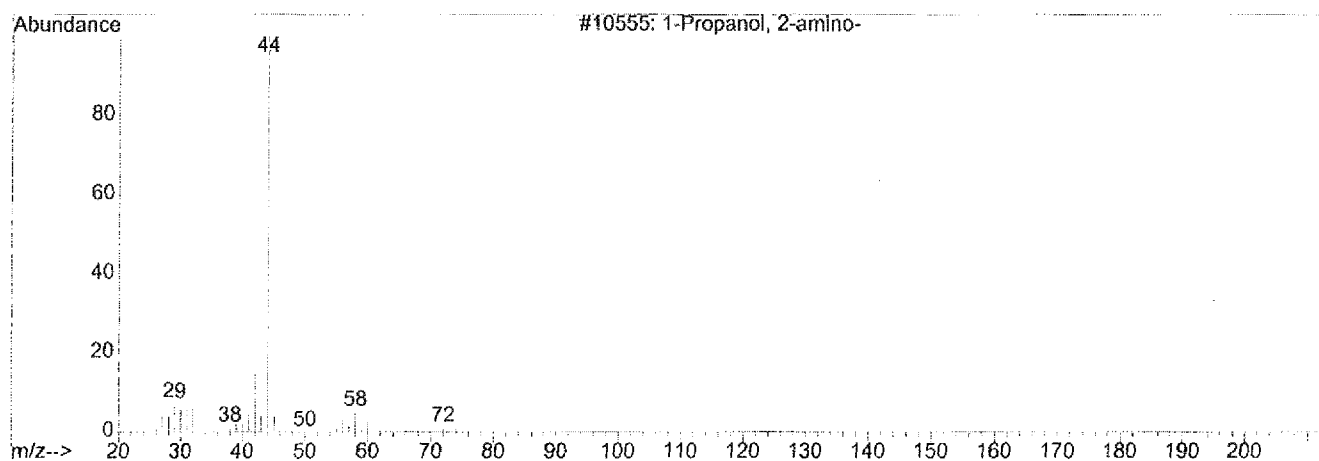
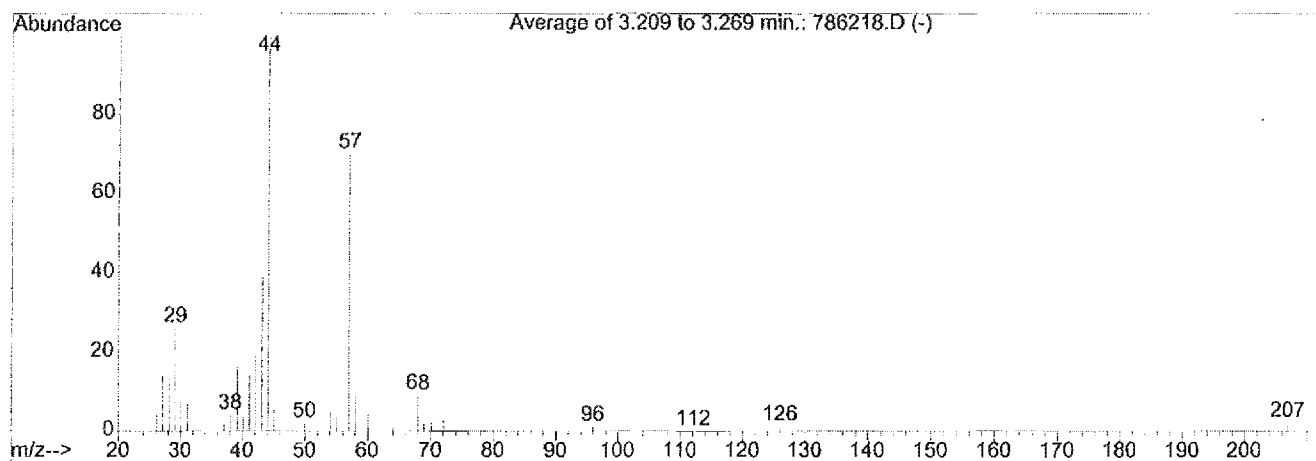
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786218.D
 Operator : DJR
 Date Acquired : 5 May 2011 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 18
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
8	3.23	C:\DATABASE\NIST98.L		
		1-Propanol, 2-amino-	000078-91-1	72
		1-Propanol, 2-amino-, (S)-	002749-11-3	59
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	50



Area Percent / Library Search Report

Information from Data File:

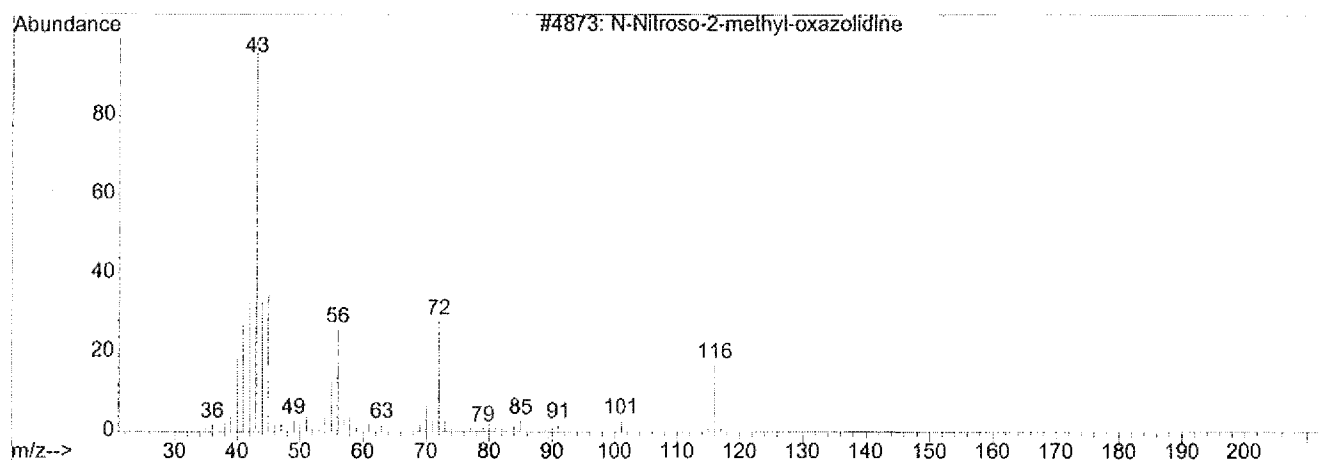
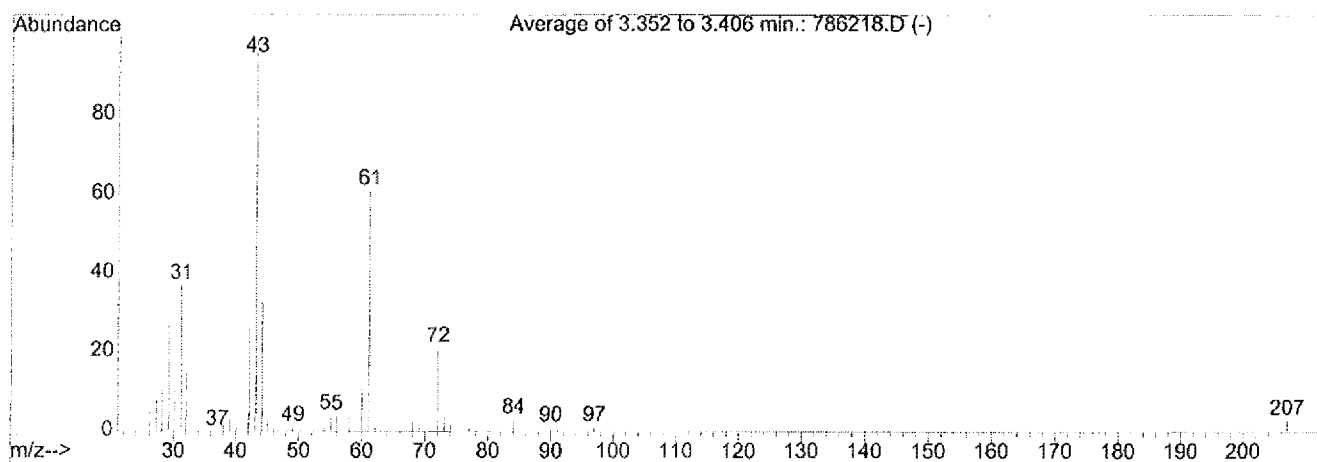
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File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
9	3.37	C:\DATABASE\NIST98.L		
		N-Nitroso-2-methyl-oxazolidine	039884-53-2	25
		3(2H)-Furanone, dihydro-2-methyl-	003188-00-9	23
		2-Ethoxyethyl acetate	000111-15-9	23



Area Percent / Library Search Report

Information from Data File:

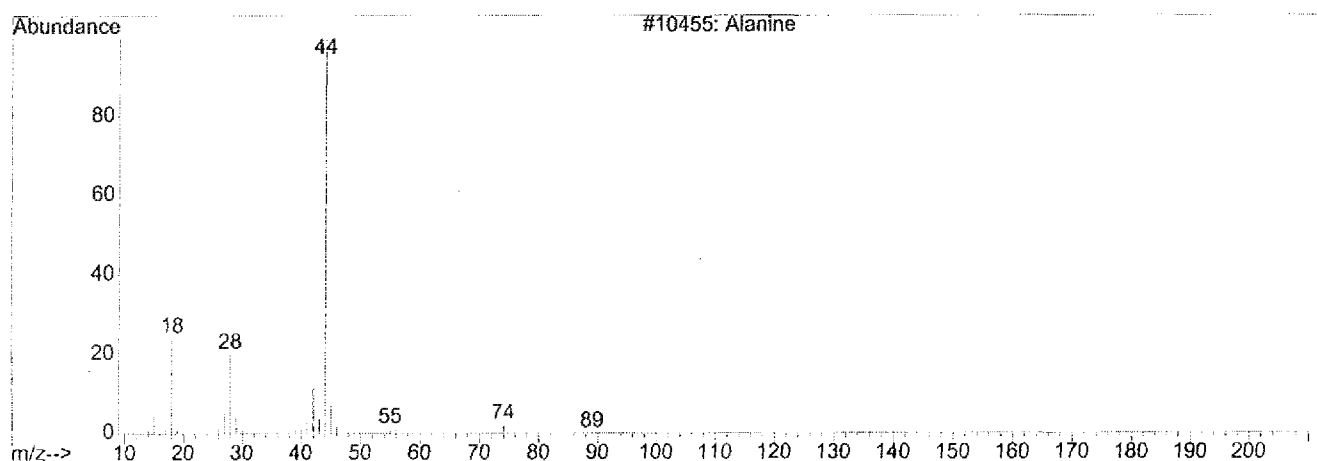
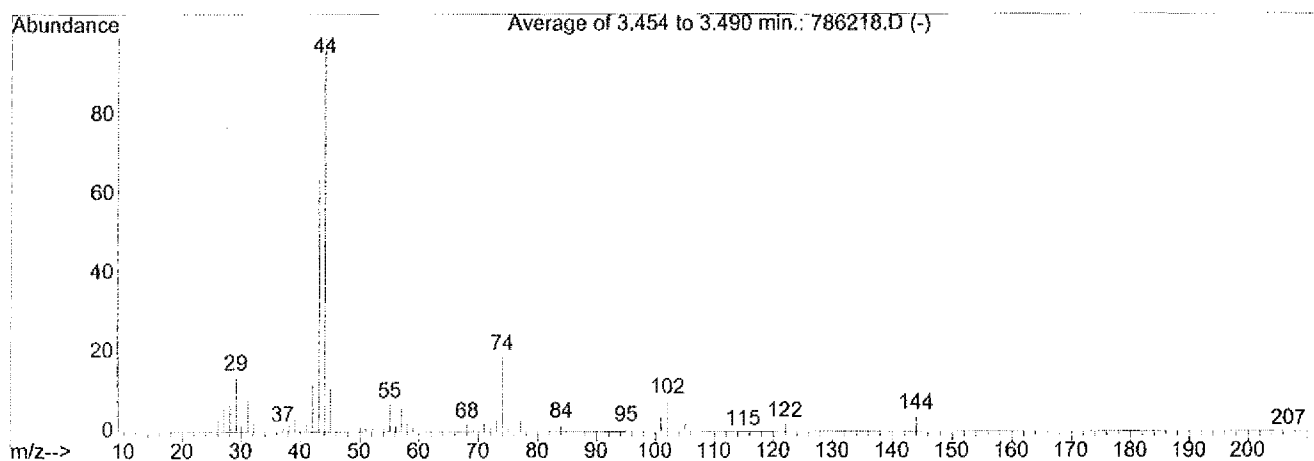
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
10	3.48	C:\DATABASE\NIST98.L		
		Alanine	000056-41-7	56
		1,3-Dioxolane-4-methanol	005464-28-8	50
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	43



Area Percent / Library Search Report

Information from Data File:

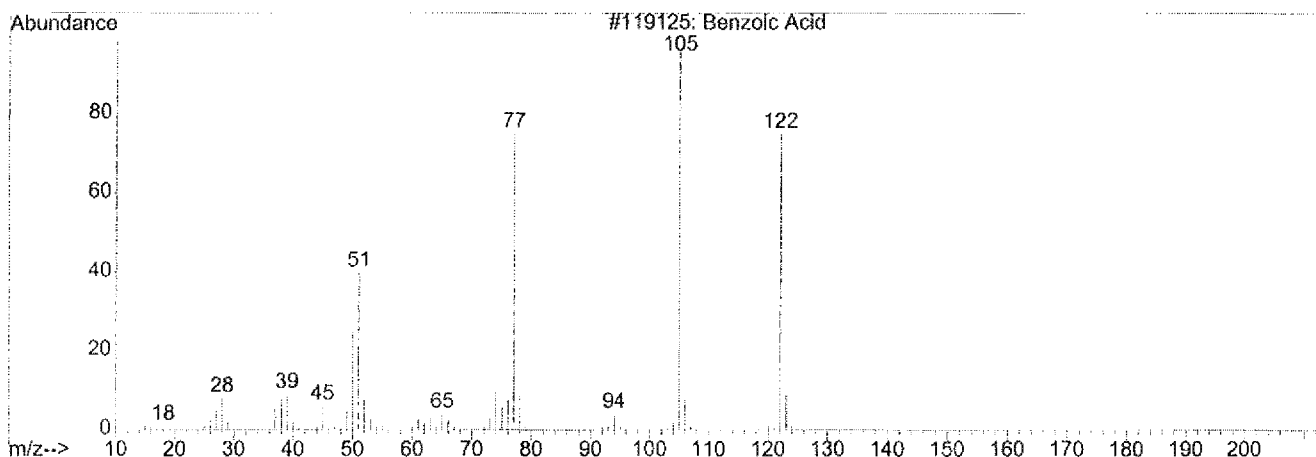
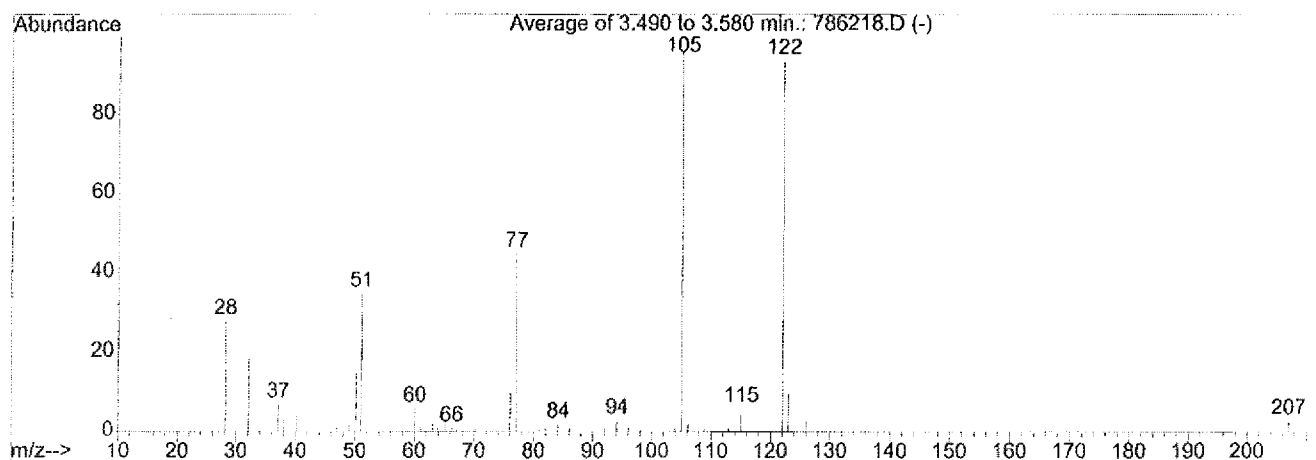
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : 
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
11	3.51	C:\DATABASE\NIST98.L		
		Benzoic Acid	000065-85-0	86
		Ethanone, 1,2-diphenyl-	000451-40-1	64
		Benzoic Acid	000065-85-0	64



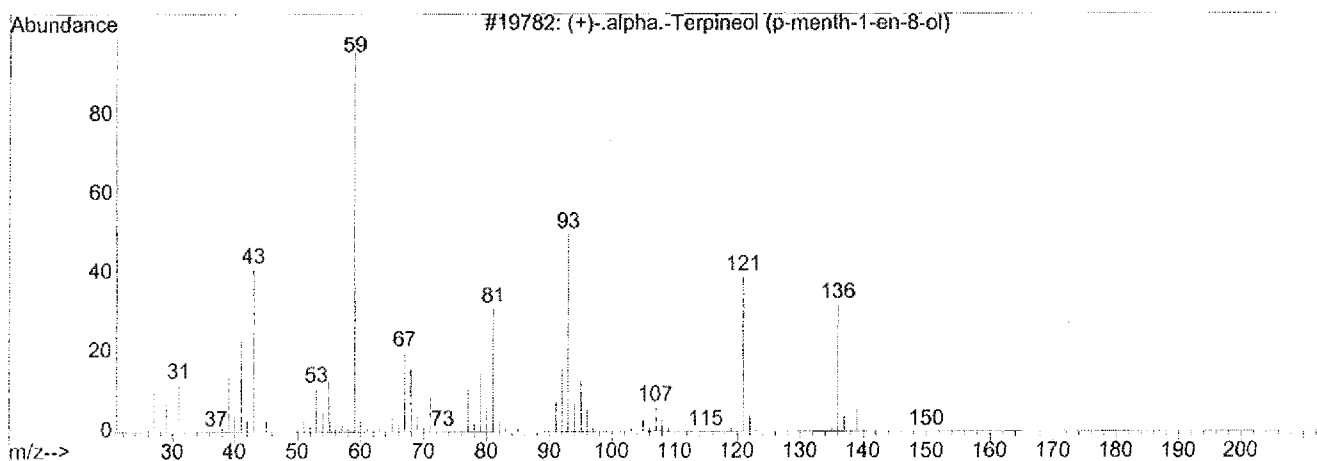
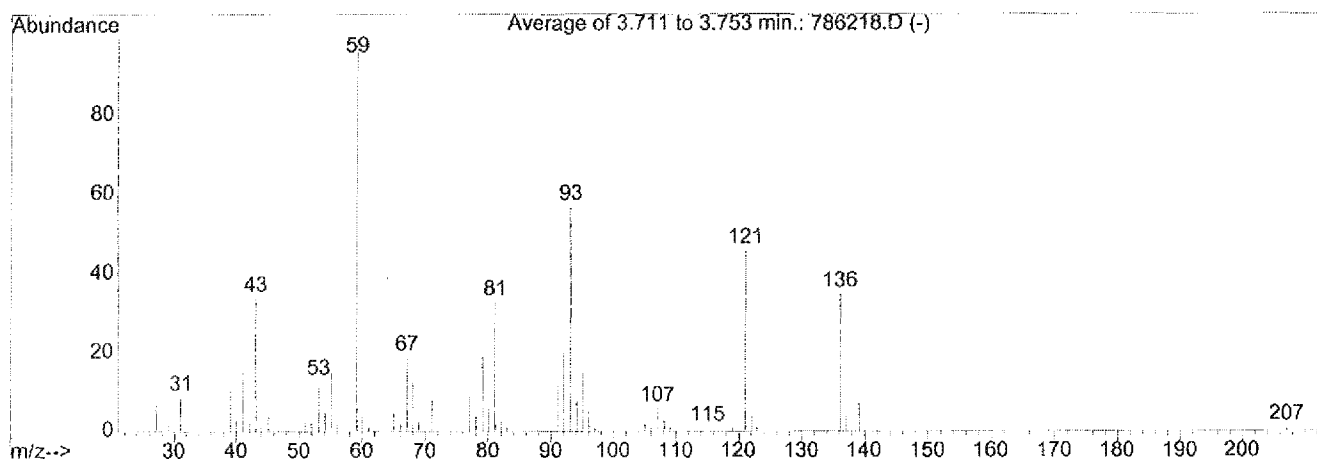
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786218.D
 Operator : DJR
 Date Acquired : 5 May 2011 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 18
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
12	3.74	C:\DATABASE\NIST98.L		
		(+)-.alpha.-Terpineol (p-menth-1-en	1000157-89-9	91
		3-Cyclohexene-1-methanol, .alpha.,.	000098-55-5	90
		3-Cyclohexene-1-methanol, .alpha.,.	010482-56-1	90



Area Percent / Library Search Report

Information from Data File:

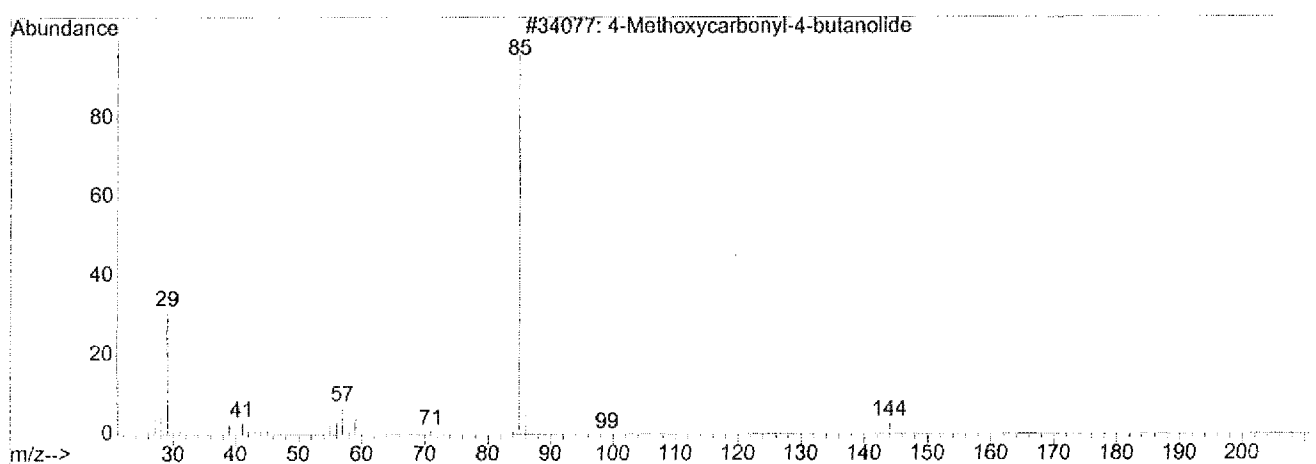
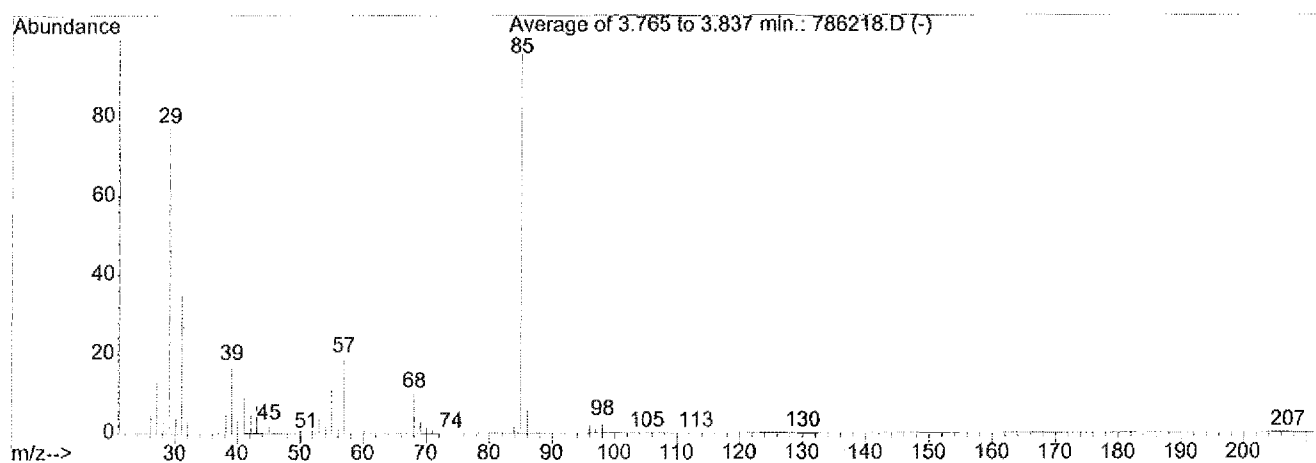
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File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : 
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
13	3.78	C:\DATABASE\NIST98.L		
		4-Methoxycarbonyl-4-butanolide	003885-29-8	56
		2(3H)-Furanone, 5-acetyldihydro-	029393-32-6	50
		Tetrahydrofuran-5-on-2-methanol, .a	1000192-28-3	40



Area Percent / Library Search Report

Information from Data File:

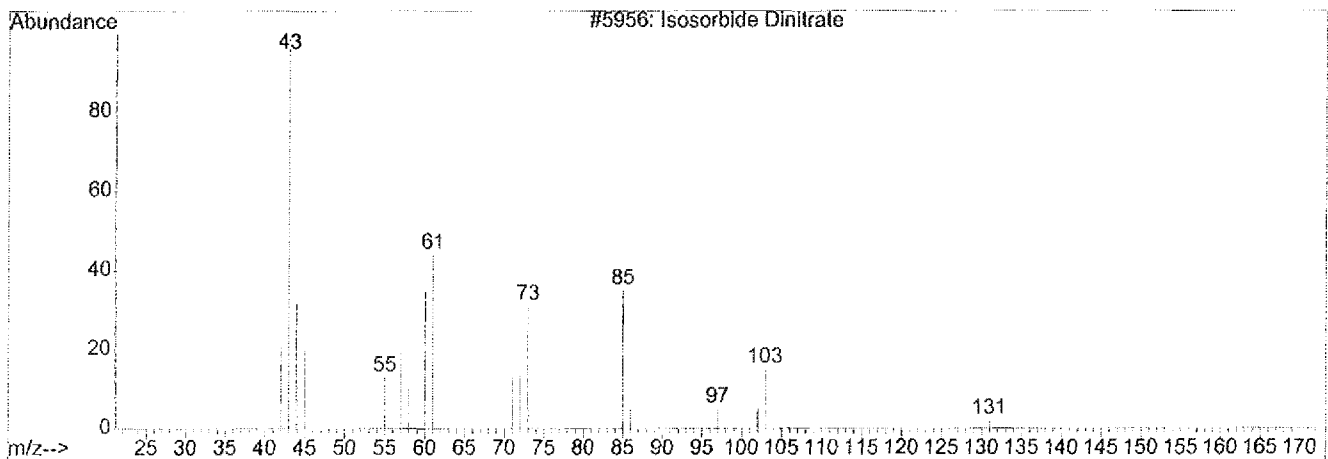
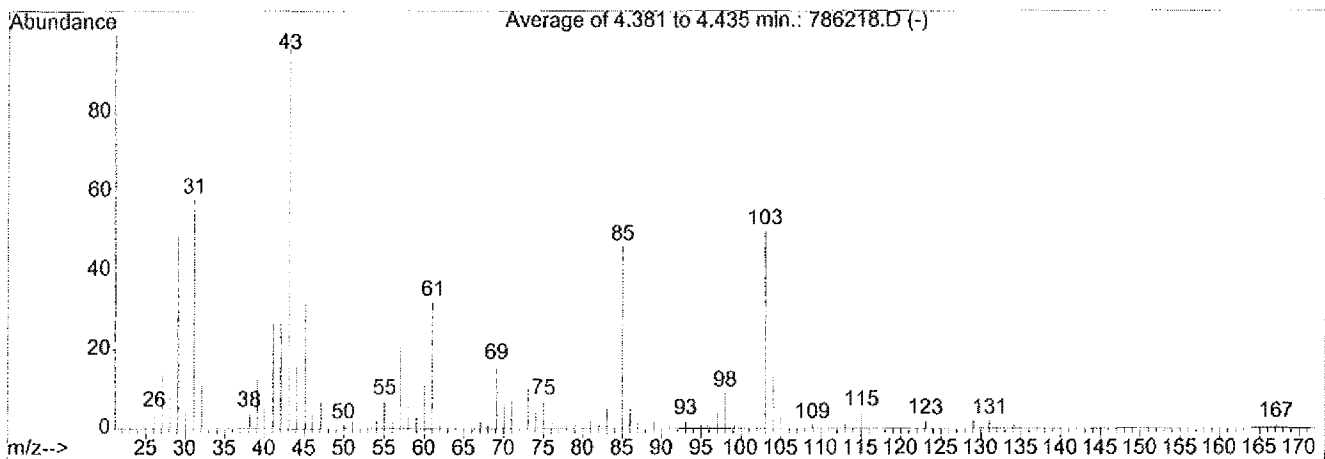
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File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : 
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
14	4.41	C:\DATABASE\NIST98.L		
		Isosorbide Dinitrate	000087-33-2	40
		Hexyl isovalerate	010632-13-0	33
		d-Glycero-d-galacto-heptose	1000130-14-4	32



Area Percent / Library Search Report

Information from Data File:

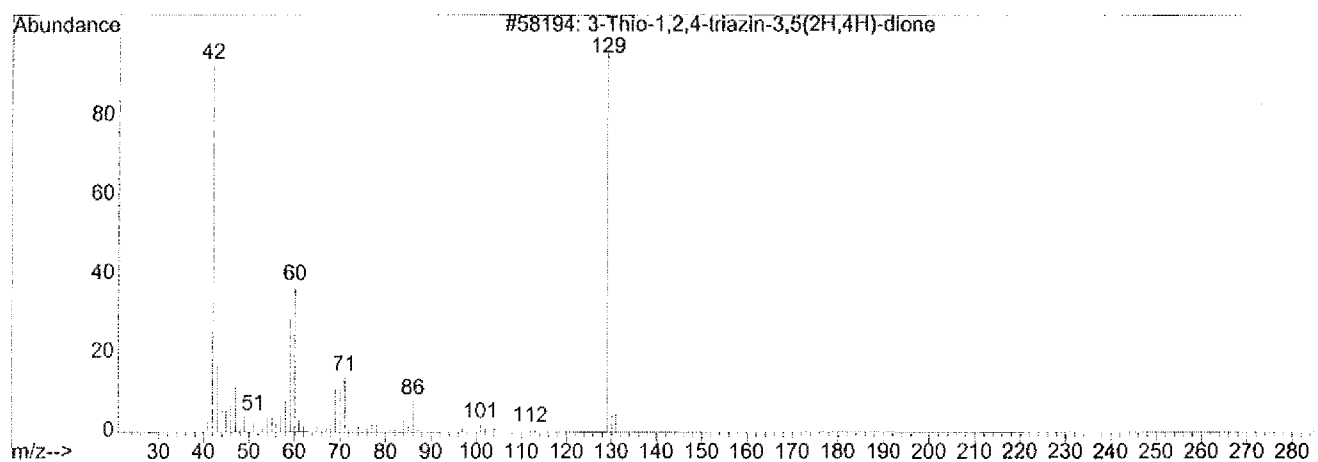
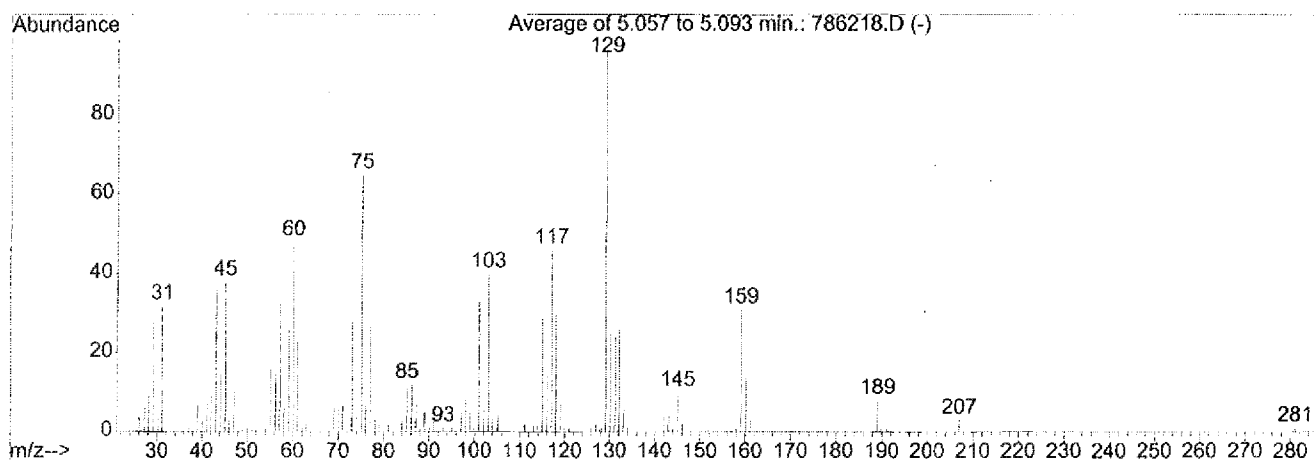
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File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : 
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
15	5.08	C:\DATABASE\NIST98.L		
		3-Thio-1,2,4-triazin-3,5(2H,4H)-dione	1000213-20-1	16
		4,5-Dimethylthiazole S-oxide	1000112-53-4	16
		2(1H)-Quinolinone, hydrazone	015793-77-8	16



Area Percent / Library Search Report

Information from Data File:

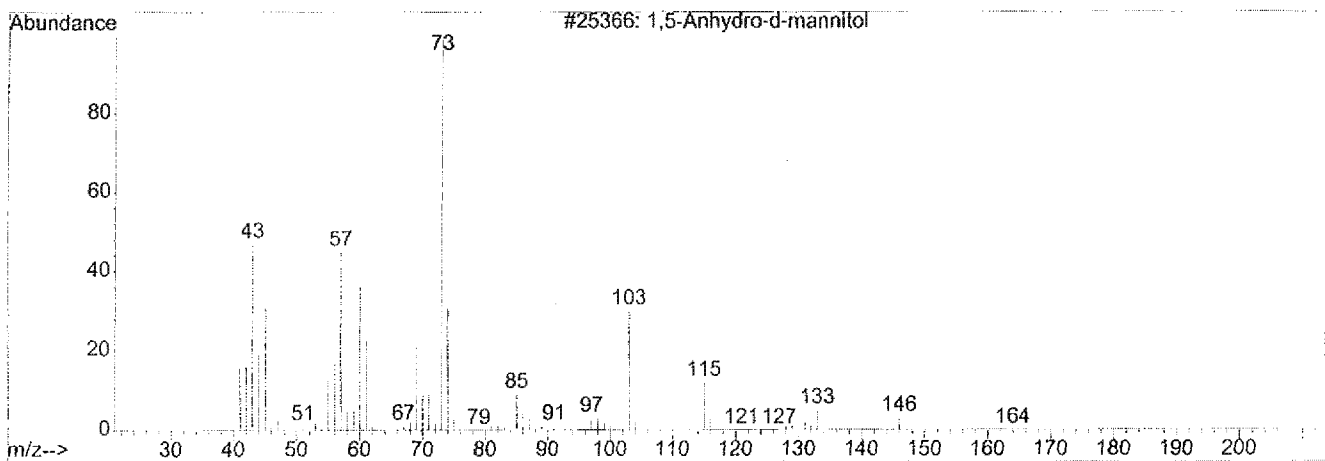
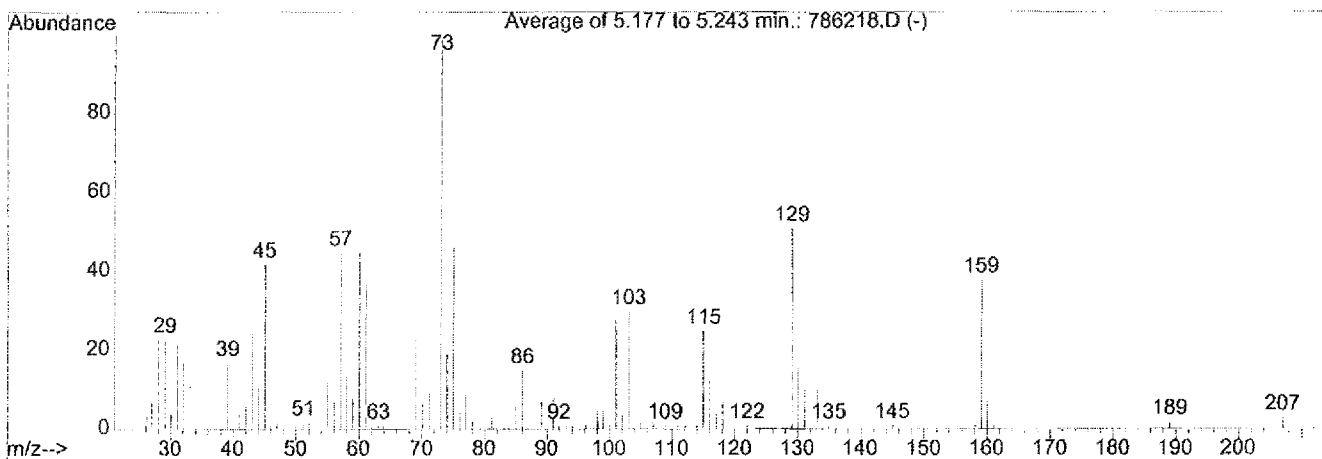
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
16	5.21	C:\DATABASE\NIST98.L		
		1,5-Anhydro-d-mannitol	1000127-68-6	37
		2-Butenoic acid, 4,4-dimethoxy-, me	068085-49-4	32
		.beta.-D-Ribopyranoside, methyl	017289-61-1	16



Area Percent / Library Search Report

Information from Data File:

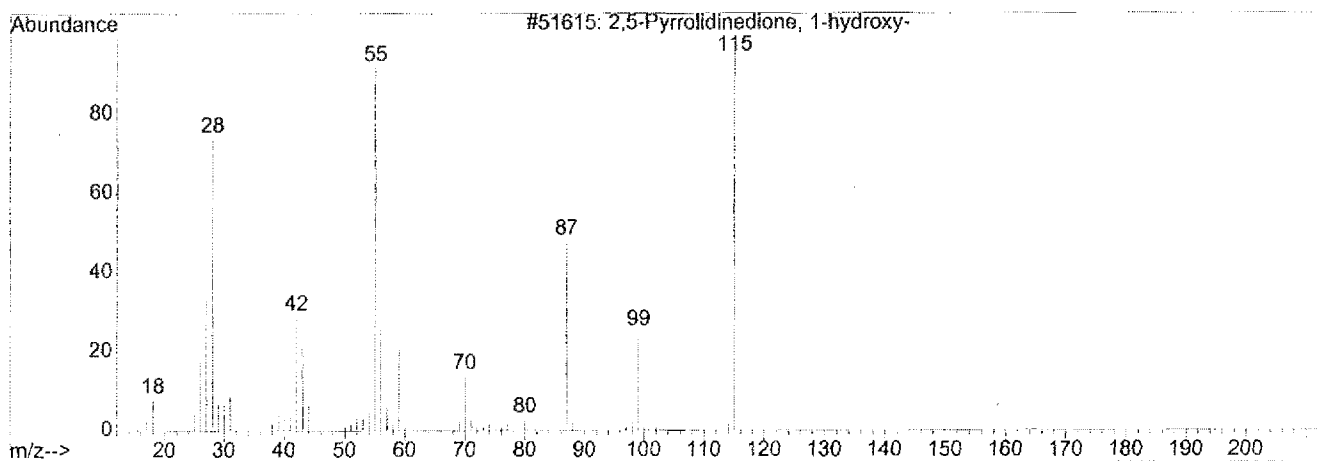
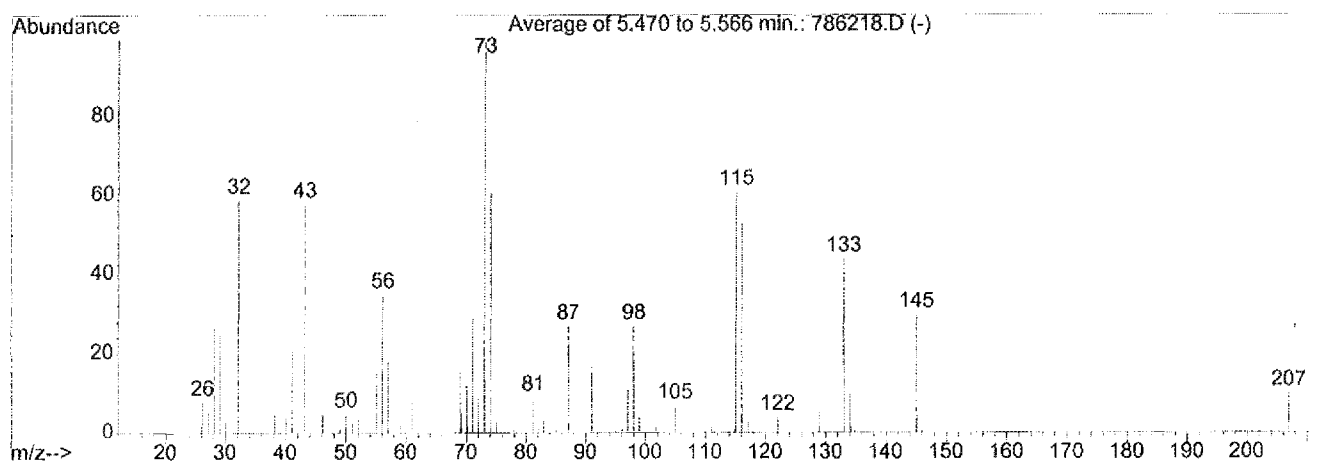
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
17	5.51	C:\DATABASE\NIST98.L		
		2,5-Pyrrolidinedione, 1-hydroxy-	006066-82-6	9
		Indene	000095-13-6	9
		Indene	000095-13-6	9



Area Percent / Library Search Report

Information from Data File:

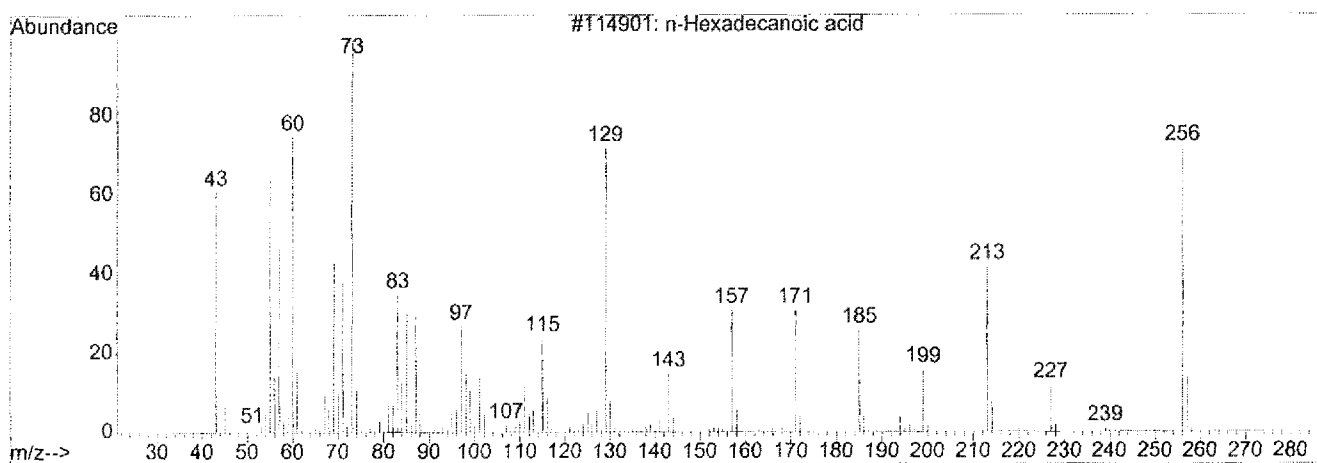
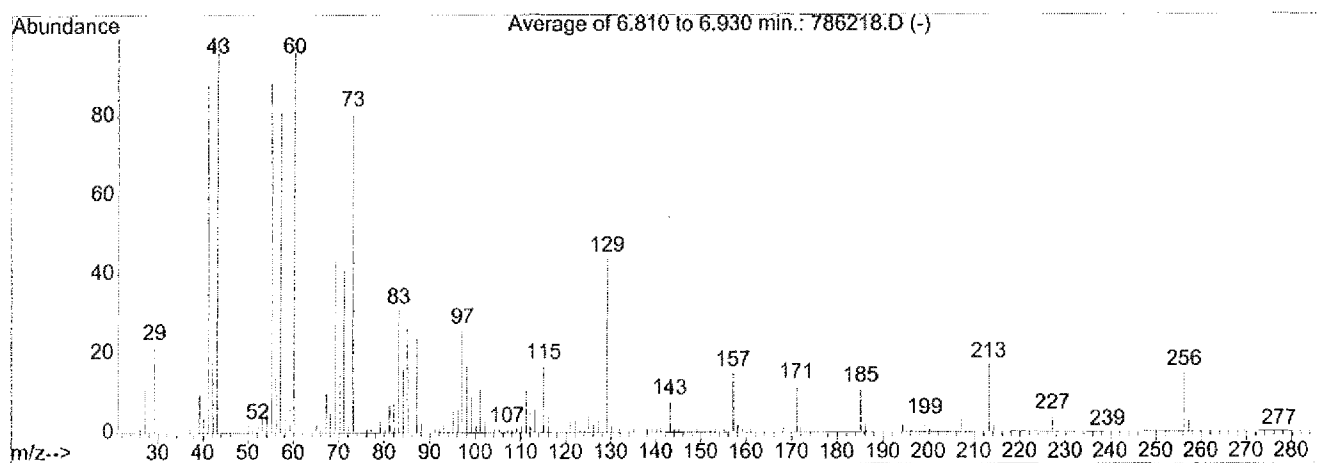
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
18	6.83	C:\DATABASE\NIST98.L		
		n-Hexadecanoic acid	000057-10-3	93
		Heptadecanoic acid	000506-12-7	83
		n-Hexadecanoic acid	000057-10-3	81



Area Percent / Library Search Report

Information from Data File:

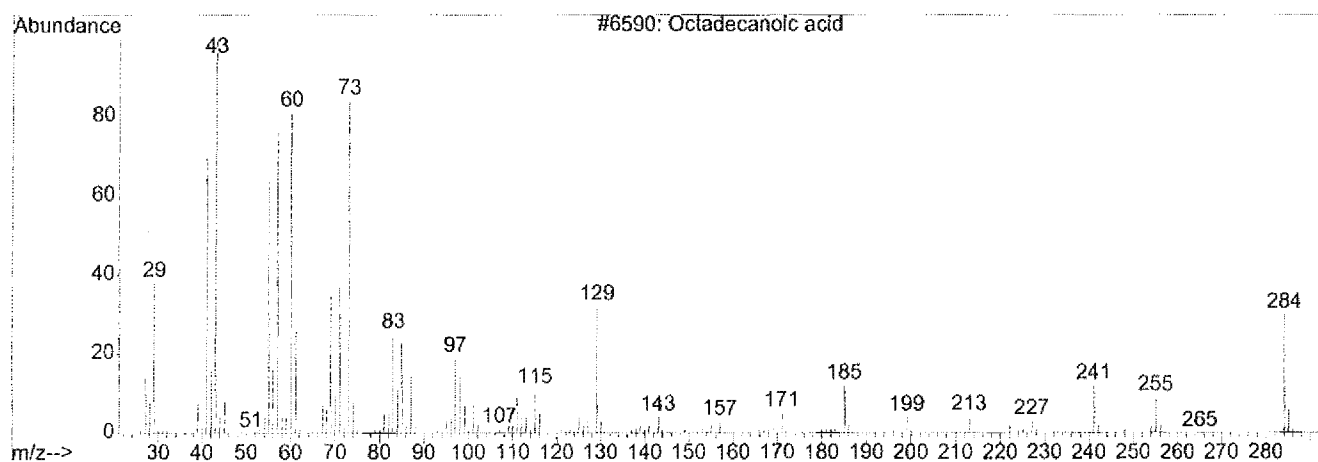
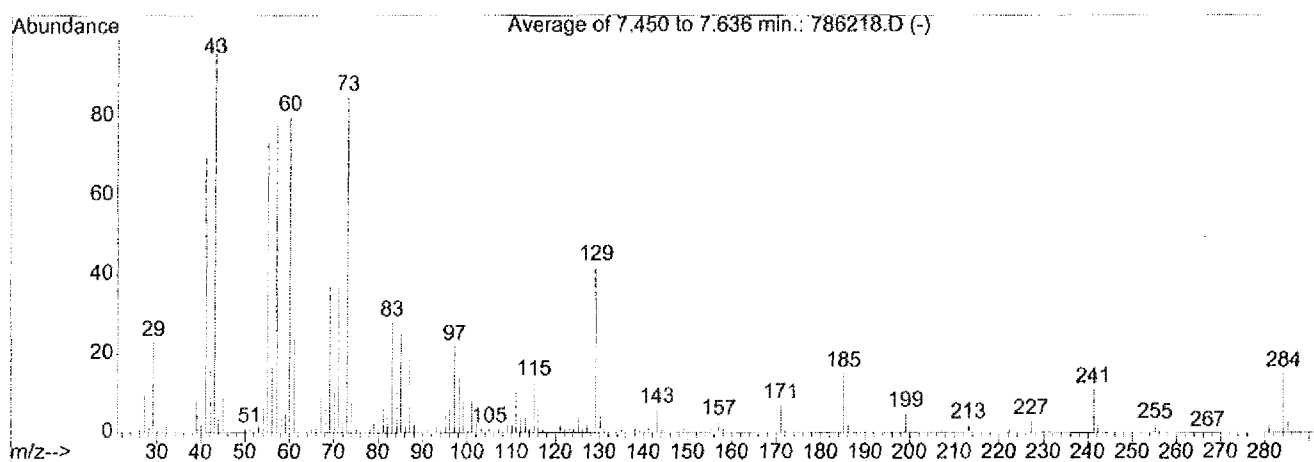
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File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
19	7.48	C:\DATABASE\NIST98.L		
		Octadecanoic acid	000057-11-4	96
		Octadecanoic acid	000057-11-4	95
		Octadecanoic acid	000057-11-4	94



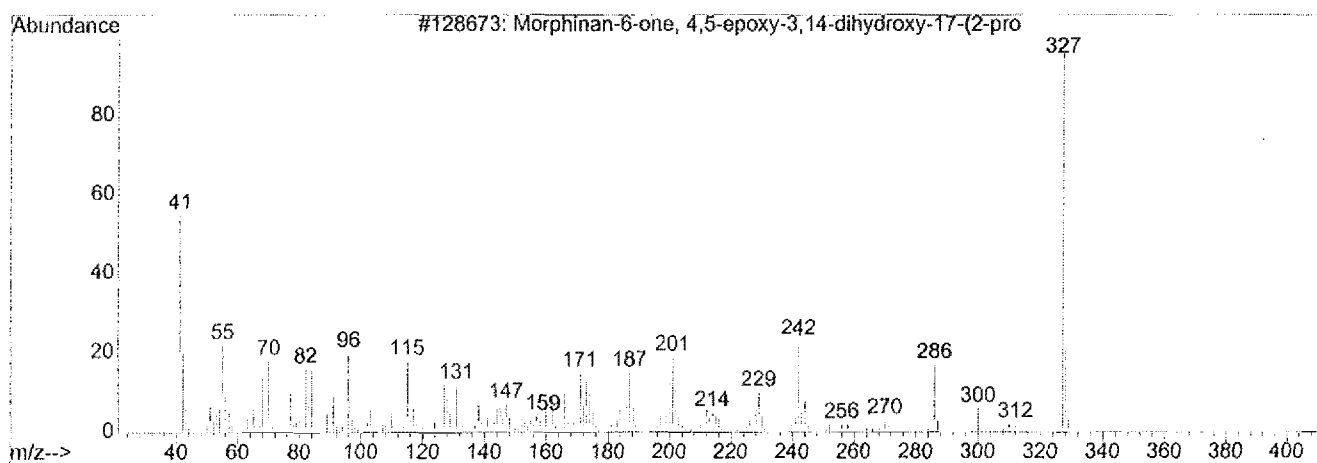
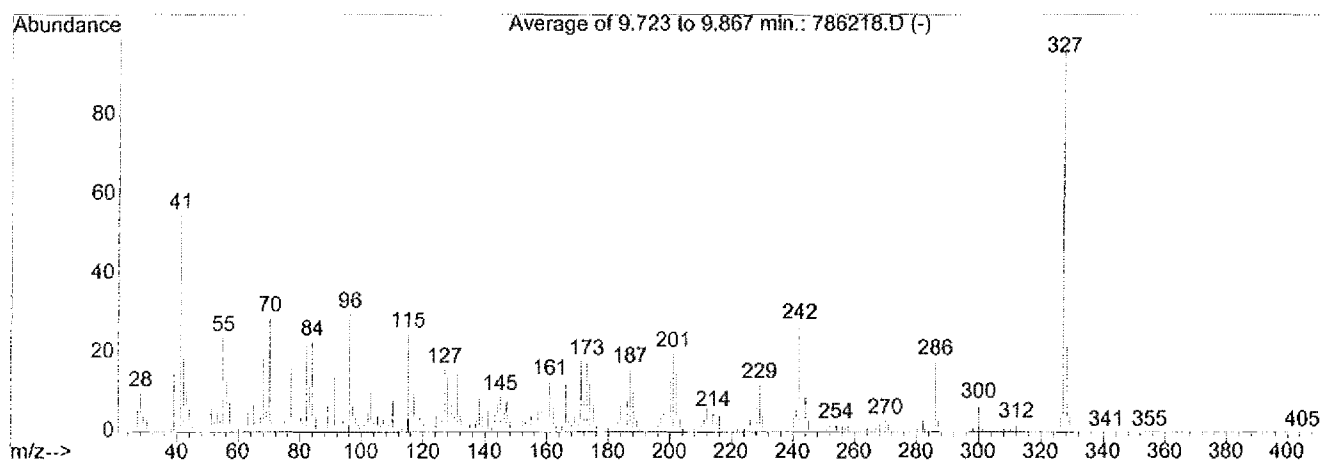
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786218.D
 Operator : DJR
 Date Acquired : 5 May 2011 18:13
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 18
 AcquisitionMeth: WSCREEN
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
20	9.77	C:\DATABASE\NIST98.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	91



Area Percent / Library Search Report

Information from Data File:

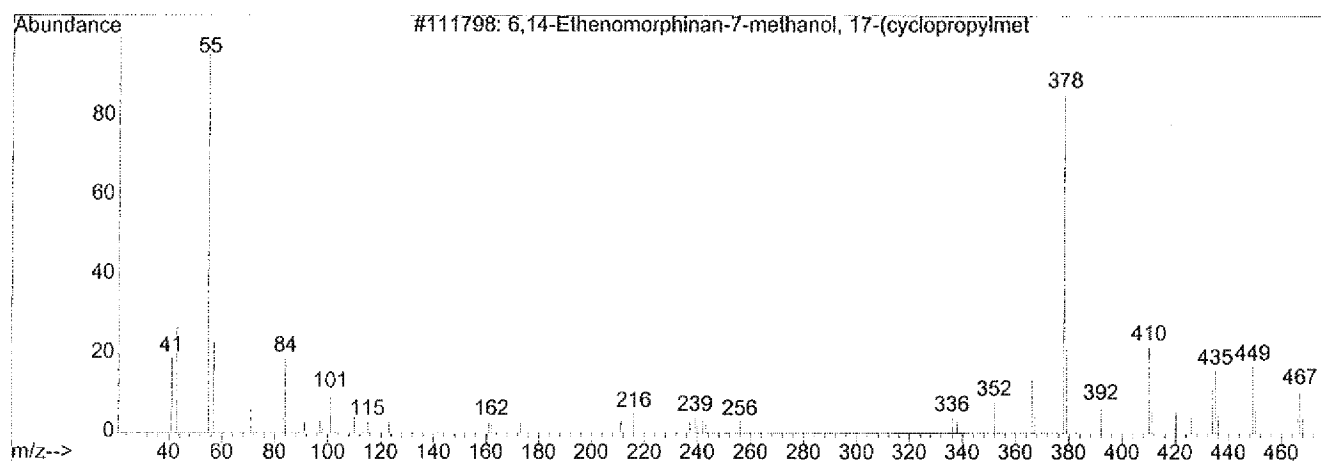
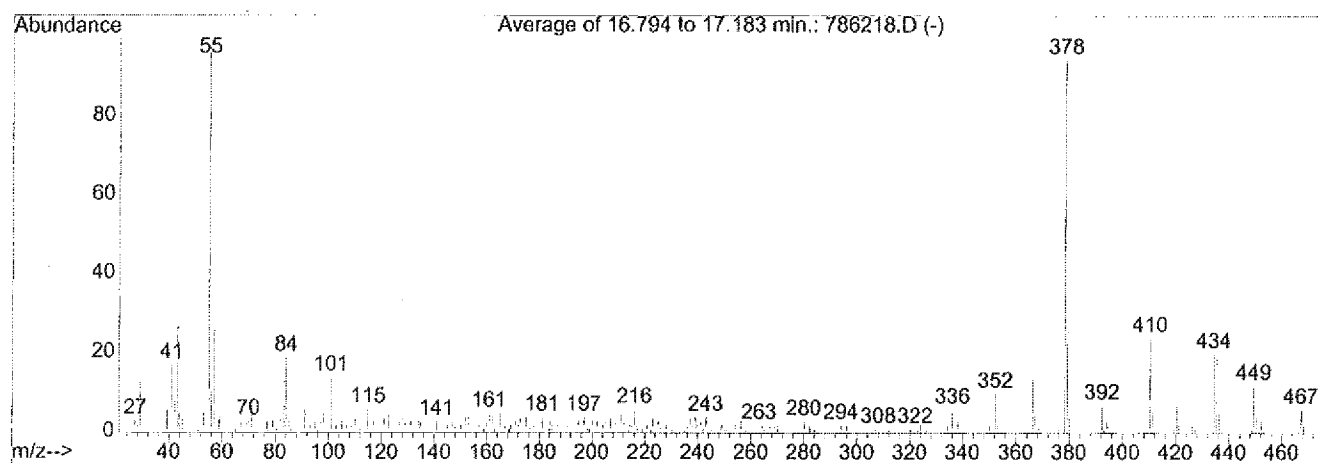
```

File Name       : D:\SYSTEM4\05_05_11\786218.D
Operator        : DJR
Date Acquired   : 5 May 2011 18:13
Sample Name     : 
Submitted by    : ASD
Vial Number     : 18
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

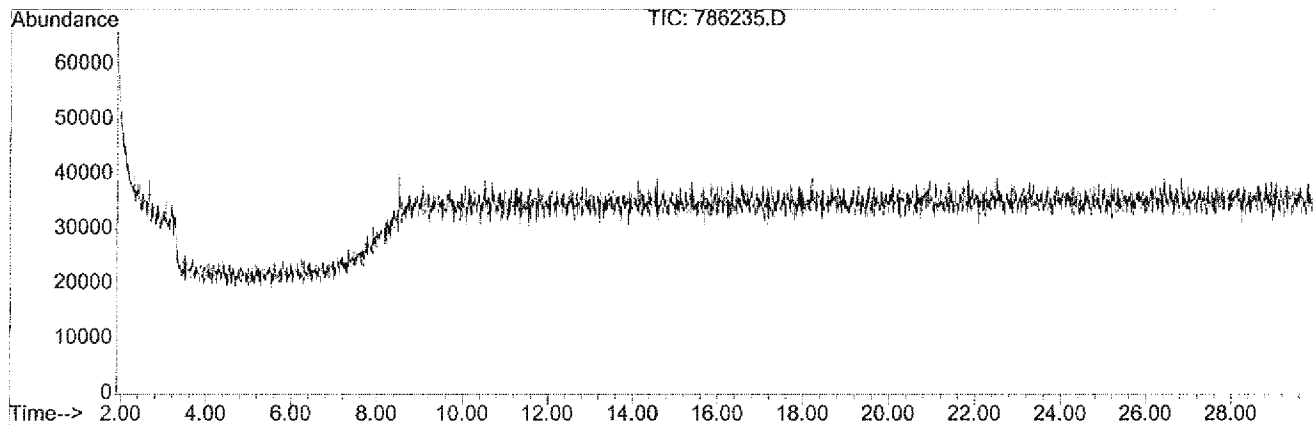
PK#	RT	Library/ID	CAS#	Qual
21	17.01	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	96
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		10-Methoxycamptothecin	019685-10-0	55



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786235.D
Operator : DJR
Date Acquired : 6 May 2011 3:50
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: WSCREEN
Integrator : RTE



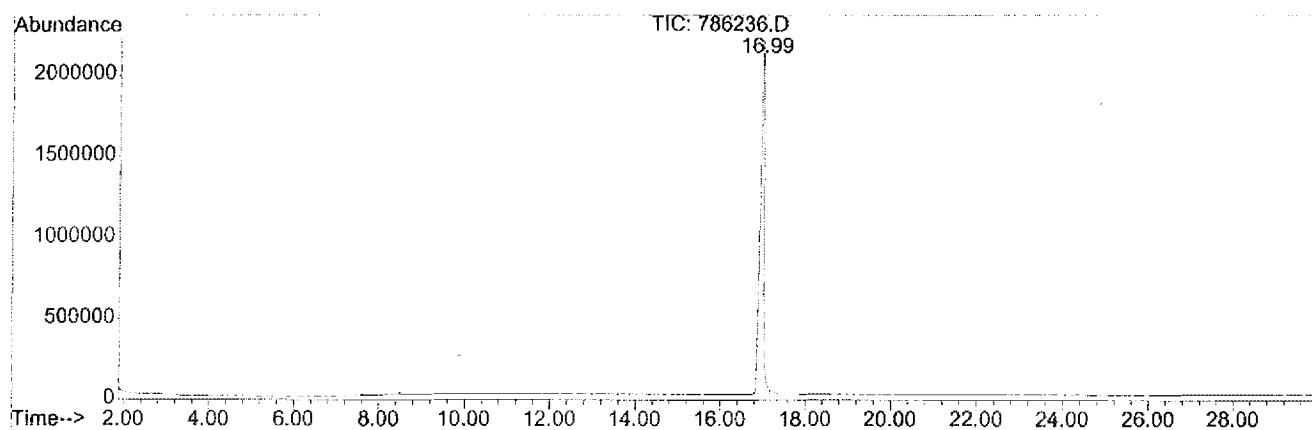
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_05_11\786236.D
 Operator : DJR
 Date Acquired : 6 May 2011 4:24
 Sample Name : BUPRENORPHINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: WSCREEN
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
16.994	13163353	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

```

File Name       : D:\SYSTEM4\05_05_11\786236.D
Operator        : DJR
Date Acquired   : 6 May 2011   4:24
Sample Name     : BUPRENORPHINE STD
Submitted by    :
Vial Number     : 6
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	16.99	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	97
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	83
		Anthiaergosta-5,7,9,22-tetraene	1000213-42-2	55

